DUTY OF WATER.

21. Statement IE gives the duty of water on the different canals. That of 6.97 acres per cubic foot for the High Level Canal, Range II, is evidently incorrect, and is due to the loss on account of navigation, of which apparently no account is kept, and to escape through temporary outlets, the area under irrigation being also very small.

The duty on the remaining canals for the kharif crop on the discharge utilised waries from 182 acres for the Taldundah system to 85 acres for the

High Level Canal, Range III.

The absence of distributaries practically vitiates the results from the

High Level Canal, Ranges II and III.

The Kendrapara Canal system includes the Pattamoondi and Gobri Canals, for which also no distributaries have been provided, and the Superintending Engineer shows that, taking the Kendrapara Canal separately, the duty is 106 acres.

The under-mentioned canals give, therefore, probably the best results, but even these cannot be considered trustworthy:—

		Duty on discharge - at head.	Duty on discharge utrhsed.
Kendrapara Canal		92	106
Taldundah Canal system	•••	112	182
High Level Canal, Range I		110	169

The duties calculated on the gross discharge at the head are pretty even, but they cannot be relied upon, for in the High Level Canal no allowance is made for water flowing into the canal through drainage inlets, and the Kendra
Irrespective of the Pattamoondi para Canal irrigating the largest area, \$30,872 acres against 13,576 for the Taldundah, and 12,400 for the High Level, gives the lowest duty. No reason is assigned for the high duty on the Taldundah Canal. Taking the duty on the discharge utilised, the Kendrapara canal still gives the lowest result, but the quantity utilised, 291 cubic feet out of 333 as given by the Superintending Engineer, is proportionately much larger than that utilised on the other two canals.

The area of rabi under all canals being small, the calculations of duty are

valueless.

22, During the year 175 experiments on the outturn of crops were made, 91 of which were upon irrigated areas. The outturn in the case of both irrigated and unirrigated land was below the average of the previous five years by 4.05 maunds of paddy and 6.36 maunds of straw per acre for the former, and 2.73 maunds paddy and 3.91 maunds straw for the latter. No explanation is forthcoming as to why the falling off on the irrigated crop was greater than on the unirrigated. The total average outturn for the year was 15.66 maunds of paddy and 23.87 maunds of straw on irrigated, and 12.25 of paddy and 19.29 of straw on unirrigated land. The increased value per acre of produce in favour of irrigation was Rs. 3.86.

23. The revenue establishment of the year cost Rs. 37,005. The following statement shows the details, and compares the figures of the year under

review with the similar figures of the two previous years:-

REVENDE ESTABLISHMENT.

	7		
2	1886-87.	1885-86.	1884-85.
* 2			
Establishment under Collector.	Rs.	Rs.	Rs.
Superior officers and permanent establishment, including			
travelling allowance	26.007	24,028	23,691
Contingencies	2,625	1,918	1,890
Headmen's fees	1,209	1,229	3,168
Establishment under Executive Engineer.			
Permanent and temporary establishment	2,942	2,851	2,786
Contingencies			61
Water regulation establishment	4,232	4,245	4,198
Total	37,005	34,301	36,094
Collections of water-rates and miscellaneous revenue by		1	W.
the Canal Revenue Department	1,05,775	1,16,940	59,111
Percentage	34.98	29.3	61.0

NAVIGATION.

24. The receipts under the head "Navigation" amounted to Rs. 67,048, of which Rs. 8,384 were on account of the earnings of the transport service, and Rs. 58,664 from tolls on boats and rafts. The collections for ten years under the above heads are given in the table below:—

				Tolls.	Transport service.	Total.
		38		Rs.	Rs.	Rs
1877-78		•••	••••	33,844		33,844
1878-79			•••	57,042		57,042
1879-80				62,389	35,686	98,075
1880-81				41,297	30,105	71,402
1881-82		•••	•••	53,219	29.987	83,206
1882-83				66,736	41,737	1,08,473
1883-84		•••		61,602	48,550	1,10,152
1884-85		***		52,784	27,018	79,802
1885-86	(7) 70 70	***	•••	64,093	19,919	84,012
1886-87		•••		58,664	8,384	67,048
	1.00	. 	*.5.5.	1		3/2/2004/09/09

TRAFFIC.

25. The following statement compares the traffic of all the canals in Orissa during the year under review with that of the year preceding:—

CANALS.	ореп.	Toil	n#(·.	ge. Numb				Acc 2007333	r of go.	Tollage per mile of canal.	
	Miles	1886-87.	1885-80,	1886-87.	1885-86.	1856-87.	1885-86,	1886-87.	1885-85.	1880-87.	1885-80.
		Rs.	Rs.	No.	No.	Tons.	Tons.	Rs.	Rs.	Rs.	Re.
Fuldandah and Mach-	31	2,880	1,784	725	819	14,081	13,843	57,972	83,245	0.56	57
Cendrapara and Gobri Canals (including ex- tension).	75	41,786	49,572	5,959	9,233	66,139	107,193	30,89,180	31,75,780	557-1	647
ligh Level Canal, Range I,	33	7,852	8,749	3,821	4,930	16,075	29,449	6,25,505	9,10,570	23710	265
Rang II.	121	3,788	3,752	2,902	3,889	19,410	20,024	3,32,112	3,49,626	303.0	300
ligh Level Canal. Bange III.	19	2,35≒	1,236	1,504	1,792	11,793	9,633	1,60,410	1,13,512	124.1	65.
Total	170}	58,661	61,093	14,311	20,662	128,398	180,142	42,56,185	46,32,733	344.1	373

There is a falling off from the previous year under all heads, due to the accident to the Mahanuddy weir, which reduced the level of the water in the Mahanuddy and Berupa rivers to such an extent as to seriously interfere with the navigation of the canals during the last four months of the year.

The up traffic on these canals was during the year considerably in excess of the down. This was due entirely to the falling off in the exports of grain, partly on account of the impeded navigation, and in a greater measure to the absence of floods in the Mahanuddy, which prevented grain being brought down as usual from Sumbhalpur; 19,594 tons of grain only were carried against 57,941 tons in the previous year.

26. There was again a considerable increase in the passenger traffic on all, but chiefly on the Taldandah Canal.

27. The steamer services between Chandbally and Cuttack by way of the Kendrapara Canal continued to be maintained by the same three companies as worked the traffic in the previous year, in conjunction with the ocean steamers running from Calcutta, though under difficulties on account of the low supply in the upper reaches of the Kendrapara Canal.

The only line of steamer navigation now worked by Government in the Orissa Circle, in fact in Bengal, is that on the High Level Canal between Cuttack and Bhuddruck, a distance of 75 miles by canal and river; and during the year under review the steamers *Pioneer* and *Aurora* were employed upon this line. In consequence of the accident to the Mahanuddy weir, the working of the service was seriously interrupted and unsatisfactory.

The working expenses and earnings of the steamers amounted, respectively, to Rs. 12,217 and Rs. 8,384, the result being a loss of Rs. 3,863 against the profit of Rs. 3,379, which was obtained in the year preceding. This was chiefly due to the interrupted service mentioned above, and also to the difficulty in keeping free from silt the navigable channel across the Brahmini river, so that often cargo and passengers had to be taken to their journey's end by tracking; more especially was this the case when, after

PARSENCERS.

TRANSPORT SERVICE. October, on account of the bad state of her boiler, the Pioneer had to be taken off the service, and only one steamer was available for it.

28. The miscellaneous receipts for the year under review are compared MISCELLANEOUS by sub-heads with those of the previous year in the following table:-

				YEAR IN WHIC	B RECEIVED.	DIFFER	ENCE.
	OURCE OF RE	NENGR.		1886-87.	1885-96.	Increase.	Decrease.
				Rs.	Rs.	Rs.	Rs.
Plantations		•••		1,885	981	904	••••
Rent of lands				5,340	7,337	•••	1,997
Canal produce				676	1,508		832
Rent of building	χs	•••		4,936	4,739	197	
Sale of old mate	erials	•••		35	4	31	******
Fisheries	***	***		650	493	157	
Sale of water	***			86	190		104
Miscellaneous	***	***	•…	1,979	1,244	735	•••••
		Total		15,587	16,496	2,024	2,933

The most serious falling off is under the head "Rent of lands." This appears to be due to the rule having been introduced of giving only annual leases to prevent the acquisition of rights of occupancy. The result has been either a decrease in the area leased out, or in the rents obtained, though it is

29. The total revenue for the last ten years under the three main heads is REVENUE. shown in the following statement:-

	YEARS.	Water-rates.	Navigation.	Miscellaneous.	Total.
		Rs.	Rs.	Rs.	Rs.
1877-78		 1,17,818	33,844	9,445	1,61,107
1878-79		 1,16,416	57.042	16,484	1,89,942
1879-80		 1,57,747	93.075	23,365	2,79,187
1880-81		 1,78,047	71,402	20,329	2,69,778
1881-82		 1,24,290	83,206	15,655	2,23,151
1882-83		 1,80,325	1,08,473	31,212	3,20,010
1883-84		 1,11,856	1,10,152	15,860	2,37,868
1884-85		 51,245	79,802	12,538	1,43,585
1885-86		 1,06,842	84,012	16,496	2,07,350
1886-87		 96,976	67,048	15,587	1,79,611

30. The working expenses (direct charges) of the Orissa canals for the EXPENSES. last ten years are shown in the following statement:-

WOEKING

PARTICULARS.	1877-78.	1878-79.	1871-80.	1880-81.	1881-82.	1852-83.	1883-84.	1884-85.	1885-86,	1896-87.
1 Maintenance.	Ra.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	R4.	Rs.	Rs.
Works, including transport	1,87,044	1,47,113	2,58,749	1,99,554	2,17,763	2,22,431	1,89,56\$	2,03,137	2,23,500	3,52,761
Establishment, including direction and accounts Tools and plant	32,509 5,234	39,073 17,:38	51,918 8,389	45,896 12,266	50,109 13,548	51,160 14,923	43,600 11,292 53	50,958 15,167	51,199 13,159	81,117 15,486
Compensation Befunds of revenue		623	512	777	411	385	68	78	6	92
birect expenditure in Eng-			1,265	1,263	1,980	2,001				
Total maintenance	1,77,828	2,04,047	3,20,832	2,59,755	2,83,553	2,90,960	2,44,577	2,60,951	2,93,054	4,49,456
2.—Revenue management.										
Irrigation establishment	82,232 6,012	97.598 7,445	38,794 8,153	88,812 7,501	87.022 8,085	87,022 13,575	33,432 14,681	33,999 12,298	31,304 15,219	37,965 16,471
Total Bevenue management	88,244	85,043	46,917	48,318	45,107	50,580	48,113	:0,397	49,529	52,470
Total working axpenses	2,16,072	2,39,090	8,67,779	8,08,068	8,28,660	3,41,540	2.02,690*	3,15,737	3, 12,577	5,01,003

A comparison of the figures in the two foregoing statements shows the loss in working the canals during the last six years, which was as follows:—

						$\mathbf{R}\mathbf{s}.$
1881-82				***		1,05,509
1882 83		•••				21 530
1883-84	• • •	•••	***	•••		54,822
1884-85		***	***		***	1,72,152
1885 86	***		700		***	1,35,227
1886-87			•••		•••	3,22,321

The figures include direct charges only.

MAINTENANCE

31. The following statement shows by sub-heads the cost of maintenance, exclusive of that of the transport service, during the year under review, with the corresponding figures of the past two years:—

			1	1886-87.	1885-86.	. 1884-85.
				Rs.	Rs.	Rs.
Head works			• • •	2,34,500	61,899	67,581
Main canals				74,913	1,09,225	93,145
Distributaries				21,458	24,521	22,929
Drainage works	•••	13.7	•.	15,512	16,807	6,125
		Total		3,46,383	2,12,452	1,89,780

The great increase in the cost of maintenance is entirely under head works, all other main heads of expenditure showing a decrease.

WEIRS

32. A breach took place in the Mahanuddy anicut on the first rise of the river at the end of June, involving a portion of the north end of the centre sluices and adjoining weir wall. A heavy outlay was incurred in the first instance in constructing a stone dam; the total expenditure on the repairs of the weir, including maintenance, amounted to Rs. 1,70,278 against Rs. 16,773 for the previous year. The repairs to the breach were not completed within the year, and a portion of the expenditure thereon will therefore fall on the year 1887-88. An accident also occurred to the Naraj weir, the greater number of the piers of the shore sluices being overturned in the month of September; the cost of repairs was Rs. 16,872 against Rs. 8,686 in 1885-86. In this case also the repairs were not completed within the year. There was excess expenditure also on the Beropa. Bhramini, Pattia and Barrah weirs over the outlay of the previous year; due, in the case of the last three weirs, to extensive repairs being required to the aprons; and, in the case of the Beropa, to the necessity for deepening the channel above for navigation, and to increase the flow down the river for the purpose of facilitating the repairs of the Mahanuddy weir. The average cost of repairs per foot run of the seven weirs was increased from Rs. 2.79 in the previous year to Rs. 12.20.

MAIN CANALS

33. The following statement shows the expenditure for the year 1886-87, and the three previous years, on the maintenance of the canals:—

CANALS.	Miles.	1886-87.		107/10/10/10		Miles.	1884-85.		1883-84.	
Ca Salis.	janos.	Cost.	Per milo.	Cost.	Per mile.	Aires.	Cost.	Por mile.	Cost.	Per mile.
		R∎.	Rs.	Ra.	Re.		Rs.	Ra.	Rs.	Rs.
Kendrapara	39	21,004	538	30,789	789	89	86,643	946	26,823	688
Kendrapara Extension	15	2.741	182	2,996	200	16	4.458	297	2,795	186
Gobri	15	3,975	265	7,800	520	15	5,301	353	6,025	402
Gobri Extension	47	3,509 5,240	600 111	9,101 8,253	1,517	47	* 404		*****	
Waldon L. b.	27	9,971	860	14,213	526	27	7,834	156	6,160	131
Machgong	19	4.041	212	2,001	159	19	3.785	888 100	10,652	394 278
High level, Range I	83	12,862	889	15,899	451	83	14,088	420	18,200	558
Ditto, do, II	124	5,265	421	6,653	882	221	8.275	262	8,577	286
Ditto, do. III	19	6,215	. 327	10,621	559	19	7,792	410	6,981	467
Total	2324	74,013	. 822	1,09,225	469	2261	93,148	411	88,825	888

ACCOL IS

It is satisfactory to notice that the mileage rates for the maintenance of all canals has diminished, the only exception being the Machgong Canal. The decrease is partly attributed to the saving in work establishment and "miscellaneous." Dredging silt and weed-clearing also were required less on most of the lines, whilst on some the decrease was in a great measure due to the expenditure in 1885-86 having been abnormal on account of the cyclone of September 1885. The canals were closed for silt clearance as below:—

Name	OF CANAL	l.,			Date	when o	dosed.	i).	ite wher	1 re-0	pened**
Kendrapara Canal	and bran	nch to	Albha		2nd	May	1886		5th J	nne]	886.
	and ext	ension	to Jumboo		2nd		,,			,,	,,
Taldundah Canal	•••		***	•••	lst.	Mny	,,		19th	,,	,,
Machgong Canal				•••		.::	•••		19th	,,	••
High Lovel Canal,	Range	1		•••	2nd		,,		8th	,,	,
Ditto,	do.	11	•••	•••	2nd		••	•••	4th	1,	,,
Ditto,	do.	111	•••		2nd	"	,,	•••	4th	••	.,

34. No return has been furnished of the silt clearance of Ranges II and III of the High Level Canal. On the remaining canals, 4,411,838 cubic feet of silt was cleared by hand at a cost of Rs. 12,807, or at an average rate of Rs. 2-14-6 per 1,000 cubic feet.

The quantity of silt cleared by dredging on the same canals was 121,066 cubic feet, at a cost of Rs. 2,089, or at an average rate of Rs. 16-13 per 1,000 cubic feet.

35. The following statement shows the cost of repairs to distributaries Distributaries for the year 1886-87, and the three previous years:—

ýš	1		1986-97.		1987	-86.		1881.85.			1883-84.	
*		Miles,	Cost.	Per mile.	Cost.	Per mile.	Miles,	Cost.	Per mile.	Miles.	Cost.	Por mos
DISTRIBUTARIAS.			Rs.	Rs.	Rs.	Rs.		Rs.	Rs.		Rs.	.Rs.
Kendrapara Canal system	•	3337	11,673	\$3*17	13,156	39	330	13,298	40	330	15,480	47
Paldungah Canul		711	2,232	31121	2,297	32 30	713	2,289	3:	711	2.723	318
Machgong Canal	222	1221	4,071		3.743		1224	4,129	34	1903	1,558	;46
ligh Lovei Canal, Range I		1171	4,081	31'80	5,325	* 45	117;	3,143	27	117	5,233	27
Total]	6412	21,457	33.27	24,521	38	641	22,929	25	C39;	25,799	41

The mileage rate for maintenance has decreased on all canals except the Machgong Canal, and in all cases the rate is low.

MIDNAPORE CANAL.

36. The Capital, Interest, and Revenue account of this canal are given below:—

1.—CAPITAL ACCOUNT.

		na i waa ahee ahee ahee	
Heads o	F ACCOUNT.	Outlay during 1886-87.	Outlay to end of 1886-87.
Direct	CHARGES.	Ks.	Ro.
I.—Works II.—Establishment III.—Tools and plant IV.—Suspense accounts V.—Loss by exchange VI.—Less receipts on Capit	Total al account Net total	 1,549 (—) 44 (—) 3,058 5,409 4,856 (—) 31	53,42,508 19,22,35 8,96,967 35,967 91,800 82,92,527 30,535 82,61,992
Indirec	CT CHARGES.		
Capitalization of abatement Leave and pension allowand		 () 6	1,83,560
	Total	 () 6	1,83,576

2.-INTEREST ACCOUNT.

				Rs.
Interest	charges to end of 1885-86	 •	•••	44,26,254
Ditto	for 1886-87	•••		3,30,382
		Total		47,56,636

REVENUE ACCOUNT.

3.—REVENUE ACCOUNT (actuals).

	Expen	DITURE.		RECE	HPTS.
	During 1886-87.	To end of 1886-87.		During 1886-87.	To end of 1886-87.
I Works, Maintenance and Repairs.	Rs.	Rs.		$\mathbf{R}\mathbf{s}$.	Rs.
Works (extensions and improvements) . Maintenance and re-	••••	40,738	Water-rates Navigation Miscellano us	1,05,834 1,09,693 15,658	13,61,321 14,05,100 1,62,549
pairs,including com- pensation Establishment, includ-	1,37,752	17,52,476			
ing direction and accounts	31,677	4,00.403			}
Tools and plant	25,003	2,45,680			
Total	1,94,432	34 ,39,297			
II.—Revenue manage- ment.		٠			
Irrigation establish- ment Navigation establish-	24,154	3,11,718			
ment	7,575	1,19,429			
Total	31,729	4,31,147			
III.—Refunds of revenue	211	3.4			
Total working ex Penses Profit	2,26,372 7,8 13	28,70,828 58,142			e.
Total	2,34,185	29,28,970	Total	2,34,185	29,28,970

The total capital outlay (direct charges) up to the end of the year 1886-87 amounted to Rs. 82,61,992. The estimates sanctioned by the Secretary of State being for Rs. 83,16,768, there remained a balance of Rs. 54,776 at the close of the year, but it is expected that the capital account of this canal will be closed at an early date.

The interest charges of this canal up to the end of the year 1885-86 have been revised in accordance with the orders of the Government of India.

37. The revenue account calculated on the "earnings" of the year is EARNINGS given below. Direct charges only are shown:-

Expandiform.	Amount.	Earnings.		Amount.
I.— Works. Maintenance and Repairs.	Rs.			Rs.
Works (extensions and improvements) Maintenance and repairs Establishment, including direction	1,37,752	Water-rates Navigation	1880	1,06,750 1,09,693
and accounts	31,677 $25,003$	Miscellaneous	•••	15,0
Total	1,94,432			
II Revenue management.				
Irrigation establishment Navigation ditto	24,154 7,575			
Total	31,729			
III Refunds of Revenue	211		s a s	
Total working expenses Profit	•2,26,372 5,729			
Total	2,32,101	Total		2,32,101

The water-rates on lands irrigated during the year are due within the year. The amount of water-rates shown as earned includes arrear assessments

38. The following table shows the rainfall for the year 1886-87 and the RAINFALL three previous years :-

	STATIONS.					1885- 8 G.	1884-85.	1883-84.	Average of 17 years previous to 1886-87.
					Inches.	Inches.	Inches.	Inches.	Inches.
Midnapore Panchkoorah	***		•••		49: 39 50:56	76.20	57·19	44.07	56.10
Contai		•••			48.24	86·03 76·45	43.81 77.30	51·92 70·31	56.61 70.19

The rainfall during the year under review was considerably less than that of the previous year, and below the average of seventeen years previous to the year 1886-87. It was, however, well and seasonably distributed, so that the demand for canal water was not very pressing, and there was no loss from excessive rainfall anywhere in the irrigable area.

39. The area under lease, which is the same as the area irrigated, was AREA LEASED. 69,762 acres against 70,604 irrigated in the previous year. No rabi leases were executed, and 256 acres only were under annual leases, leaving 69,506 acres under five-year leases up to the end of the year against 67,399 for the previous year. Of the above leases, 20,285 acres expired on the 31st March 1887, including 256 acres under annual lease. The total area under lease may be thus classified :-

4	104568			red on 3				•••	20,285 $32,875$
100	*	17	WIII	expire	"	1888		•••	the state of the s
	77	,,,	,,	,,,	,,	1889			12,530
	"	**	"	\$1	,,	1890		•••	2,276
	,,	77	**	**	"	1891			1,796
3	4								
			-			35	Total		69,762

Two hundred and fifty-six acres were surreptitiously irrigated and assessed, but afterwards admitted as annual leases, being also the total of such leases. Since no five-year leases expired in 1885-86 (see last year's Note), the leases for 1,796 acres shown above as expiring on 31st March 1887 may be taken as new leases executed during the year under review. Of this large area of 20,029 acres under five year leases which expired on the 31st March 1887, it is stated that leases for 11,483 acres had been renewed up to the end of July 1887.

AREL IRRIGATED

40. The following table compares the irrigation of the year 1886-87 with that of the two previous years, and gives the proportions between the areas irrigated and commanded:—

Particulars.	provided in the re-	Midnapore Weir, Ranges IV and V.			Panchkoorah Weir, Range 111, and Tidal Renches, Ranges I and II,			Total.		
	Totais for a	1846-87.	1885-86.	1844-85.	1986-87.	1885-80.	1884-85.	1886-87.	1895-86.	1884-85.
Length of distribu- taries and branch canals Miles Area provided with	580-15	920104	229-94	229.01	53.25	53:25	52125	233:19	283.19	283.10
distributaries Acres Area irrigated	125,000	100,000 62,2.5	100,000 60,580	100,000 60,352	25,000 7,637	25,000 1 9, 024	25,0±0 8,942	195,600 69,702	125,000 70,004	125,000 69,291
Percentage of area array ited to that commanded		6272	60.28	00:33	3075	40.10	35.77	5 5'81	56:48	5514

Of the total area 88 acres only were irrigated by lift. The entire area irrigated by this canal is rice.

COMPLAINTS.

41. There is no information about complaints against the assessments or under any other head, and the remarks made on this point in paragraph 18, under the Orissa Canals, apply also to this canal. The information should be supplied in future.

DUTY OF WATER

- 42. The duty of water for the four months of the kharif season from July to October is given by the Superintending Engineer, for the discharge utilized, as 134 acres per cubic foot for the area under the Midnapore weir, and 231 acres for that under the Panchkoora weir. This represents a total depth of 21 inches over the whole area in the former case, and 12 inches in the latter for four, or may be five, waterings. This difference is probably due to the fact that the area under the Panchkoora weir is low lying as compared with that under the Midnapore weir. In a year of seasonable rainfall, therefore, the former would be more likely to be benefited by drainage supplementing the water received from the canal: this would be the case with the lands under the Midnapore weir.
- 43. The following comparative statement shows the balances, assessments, and recoveries of water-rates on the Midnapore Canal since the year 1882-83:—

	YKAR.		Amount outstanding at commence- ment of year.	Amount falling due during the year.	Total for recovery.	Cash realization.	Remitted or written off.	Balance at the end of the year.
		ı	ks.	Rs.	Rs.	Rs.	Ita.	Rs.
1882-83			1,31,701	1,54.46	2.86.347	1,04,060	39,811	1.42,478
1883-84	***		1,43,476	1,47,992	2,90,468	1,31,000	14.777	1,44,691
1584-85	•••	42	1,44,691	1,22,321	2,67,012	1,16,807	38,993	1,11,212
1885-86	***		1,11,212	1,10,868	2.22,080	1.08,709	43.399	69,972
1886-87			69,972	1,06,750	1,76,722	1,08,834	17,139	50,749

Collections.

REMISSIONS

The amount of the cash realisations was almost identically the same as that of the previous year, although the total for recovery was considerably less, the percentage of collections being 61.01 of the whole, which may be considered a favourable result. The amount of remissions, which were, practically, entirely arrears of previous years, has sensibly decreased; but this result was to be anticipated, considering the large remissions of arrears in the previous two years. The balance outstanding at the end of the year shows improvement, and the Deputy Revenue Superintendent is hopeful that all arrears will be cleared off in the present year, and the realisations of the current demand thereby facilitated.

44. There were 6,965 certificates filed against 17,501 for the previous year, the falling off being attributed to the large number previously issued under the peremptory orders of Government for the recovery of all arrears.

CERTIFICATE PROCEDURE.

45. There is a slight increase in the cost of revenue establishment under the Collector, the amount being Rs. 23,064 against Rs. 21,875 for the previous year. The percentage of cost on the total collections, which amounted to Rs. 1,23,769, is 18.63 against 17 89 for the previous year.

REVENUE

46. The total receipts under the head of Navigation amounted to NAVIGATION. Rs. 1,09,693 against Rs. 1,37,578 for the previous year, showing a considerable decrease. Of the total Rs. 8.639 was on account of tolls from the Calcutta Steam Navigation Company, and Rs. 1,01,054 was the tollage on private boats

47. The table below gives the usual particulars regarding the traffic for Traces. the last ten years :-COMPARISON OF TRAFFIC.

DESCRIPTION.		1877-78.	1878-79.	1879-80.	1880-81	1891-82.	1882-83,	1841-81	1881-85.	1885-86,	1886-87.
Toll collections Rate of tolls per mile Number of boats Tonnage of	No. Rs. No. Tons No.	53 1,08,917 1,017 52,251 860,963 126,043	53 77,340 1,459 48,27 290,488 128,098	53 91,841 1,748 52,044 340,927 180,294	57,143 1,455 45,46 292,152 166,248	5° 98,960 1,850 51,40° 332,32 202,029	53 1,06,157 2,007 52,354 360,973 181,251	53 1,08.9 1 2,055 52,069 3<7,979 170,745	53 1,19,797 2,260 47,600 412,379	5: 1,25,331 2, 61 42,246 372,605	(a)1,01,05 1,00 (c) 15,79 (d) 387,4 (b) 112,13
Estimated value of cargo	Rs.	1,71,09,384	1,50,51,350	1,59,41 496	1,43,15,668	1,47,79,79	1,69,43,032	1,79,53,406	1,57,52,997	1,27,22,175	97,25,8

Note.—Length open is inclusive of river crossings.

(a) Exchasive of Rs 8,639 tolls from Steam Navigation Company.

(b) Exclusive of 93,433 passengers carried by Company's steamer.

(c) Includes 15,055 pessenger beats and 12,237 empty beats.

(d) Includes 81,419 and 41,154 tons passenger and empty boats, respectively.

There was a very considerable falling off in the toll collections. Of the total number of beats plying, the number carrying cargo was 18,466 against 19,892 for the previous year. This decrease is due to the slackness in the export trade of grain on account of its low price in the Calcutta market. The number of boats and the gross tonnage shows an increase, but this is chiefly under the head of passenger boats, the number being 15,060 against 7,788 for the previous year.

48. The collections of the year under the head "Miscellaneous" aggre- MISCELLANEOUS

gated Rs. 15,658 against Rs. 16,197 collected during the year 1885-86.

49. The statements below show the receipts on revenue account and REVENUE AND working expenses of the Midnapore canal since 1877-78; the figures are for direct charges only :-

REVENUE RECEIPTS.

	YEARS.		Water-rates.	Navigation.	Miscellaneous.	Total.
				Rs.	Rs.	Rs.
1877-78			53,483	1,06,917	9,693	1,70,093
1878-79	•••		85,014	77.::40	8,356	1,70,710
1879-80			1,30,140	1,05,518	11,567	2,47,225
1880-81			1,12,960	93,099	10,407	2,16,466
1881-82			1,18,588	1,20,706	10,750	2,50,074
1882-83			1,04,060	1,46,922	17,028	2,68,010
1883-44	***		1,31,000	1,20,580	12,996	2,61,576
1884-85			1,16,807	1,28,747	12,401	2,57,955
1885-86			1,08,709	1,37,578	16,197	2,62,484
1886-87	•••	أ	1,08,534	1,09,693	15,658	2,34,185

WORKING EXPENSES.

PARTICULARS.	1877-78.	1878-79.	1879-80.	1880-81,	1891-52.	1882-93.	1893-81.	1584-85.	1885-86.	1886-87
Works, Maintenance and Repairs.	Rs.	Rs.	Rs.	Rs.	Rs.	Ra.	Rs.	Rs.	Rs.	Ra.
Works and repairs Compensation Betablishment including		1,09,211	94,488	1,21,607	1,35,114	1,40,067	1,27,628	1,34,036 30,822	1,24,857 28,651	1,37,75 3
direction and accounts Fools and plant Refunds of revenue	6,1.7	28,513 13,083	19,168	26,100 17,975	31.023 36,443	32,218 31,554	29,342 31,229 44	26,591 112	25,962	25,04 3 211
Total	1,80,474	1,50,807	1,30,686	1,65,682	2.02,584	2,03,639	1,88,273	1,91,561	1,79,460	1,94,648
Recenus management.		lé sj Fi							70000000000	Victory and A
ferigation establishment		14,802 7,227	16,377 7,340	16,101 7,487	18,571 7,519	20,237 14,101	19,862 7,511	7,609	22,790 7,610	24,184 7,675
Total	28,340	22,029	28,717	25,538	25,890	31,438	27,373	81,618	30,400	31,729
Total working expenses	3,05,814	1,72,836	1,54,403	1,89,220	2,28,474	2.38,077	2,15,646	2,23,174	2,09,860	2,36,379

MAINTENANCE.

50. On head works the expenditure was Rs. 9,149 against Rs. 12,864 in the previous year. The expenditure on weirs was Rs. 1.60 per foot run of the Midnapore weir, and Rs. 3.92 for the Panchkura weir, against Rs. 3:24 and Rs. 1-13, respectively, the year previous. Repairs to the under sluices of the former were omitted, as there was no closure of the upper reaches, and in the case of the latter weir extensive repairs were carried out to the under sluice shutters.

The following table shows the maintenance charges per mile of main

canal and distributaries since the year 1880-81:-

							MAIN CANAL.]	DISTRIBUTARIES		
YEAR.						Length of canal, exclusive of river crossings.	Total cost of work.	Rate per mile.	Length of distributary channels.	Total cost of works.	Rato per mile.	
						Miles.	Rs.	Rs.	Mites.	Rs.	Rs.	
1880-81						48	80,993	1,687	267	20,140	75	
1881-82		•••	***	***		48	1,03,910	2,164	277	11,854	48	
N42-53	10000					48	1,01.821	2,121	277	20,407	73	
853-84						48	1,06,425	2.216	277	21,195	76	
844.K5						48	1,15 171	2,399	277	18,805	68	
855-4G	***	***	***		***	48	1,10,550	2,299	277	14,424	75 42 73 76 68 52 63	
856-87		***	11111	***		48	1,20,135	2,503	283	17,617	68	

NOTE .- The increase in the length of distributaries is not due to any additional length completed during the year, but to the

The expenditure on main canal includes the head works and, as well as the expenditure on distributaries, shows an increase over that of the previous year Exceptional repairs and alterations were carried out on the tidal locks at a cost of Rs. 36,892 against Rs. 13,694 and Rs. 7,184 during the two preceding years. Special repairs were also carried out to the Danian lock at a cost of Rs. 5,967. Under earthwork Rs. 23,043 was expended in the silt clearance of the tidal reaches by hand labour, a quantity of 4,555,514 cubic feet being removed at a cost of Rs. 5-10-9 per 1,000 cubic feet. The silt clearance of the first reach of the canal was again omitted this year. The cost of silt clearance by dredging was Rs. 22,688.

51. The only silt clearance carried out by dredging was in the lock entrances of the tidal reaches, very little work being done in the reaches themselves which, as stated above, were cleared by hand. The outturn of the hydraulic dredgers Atlas and Ajax averaged 2,775 and 6,200 cubic feet per day respectively, not by any means a favourable result, but one which would be accounted for by the work being carried out in a tide-way and with frequent interruptions. The cost of excavation in the case of the Ajax was Rs. 4:13 per 1,000 cubic feet, and in the case of the Allas Rs. 18-83. The former rate is an improvement on that of the preceding year, while the latter is exceptionally high, and due to the Atlas requiring thorough repairs. The total quantity of work done by all dredgers was 2,496,525 cubic feet at a cost, including removal of silt in barges, of Rs. 9-1 per 1,000 cubic feet.

EXPERDITE RE

DREDGING.

52. The subjoined table shows the receipts and expenditure, including indirect charges, for the last five years, and the net revenue:-

Taxana and an annual and	YEAR.			Receipts.	Expenditure.	Net rovenue.
				Rs.	Rs.	Rs.
1882-83	***	•••		2,68,010	2,46,502	+21,508
1883-84	***	•••		2,64,576	2,23,586	+40,990
1884-85			• • • •	2,57,955	2,31,915	+26,040
1885-86	***	***	•••	2,62,484	2,18,127	+44,857
1886-87		***	•••	2,34,185	2,35,249	- 1,064

The result for the year is most disappointing, and is mainly due to the diminished receipts on account of navigation and the increased expenditure on account of the special repairs to tidal locks.

HIDGELLEE TIDAL CANAL.

53. The Capital, Interest, and Revenue Accounts are given below: -1.—CAPITAL ACCOUNT.

CAPITAL ACCOUNT.

HEADS OF ACCOUNT.		Outlay during 1886-87.	Outlay to end of 1886-87
Direct Charges.		R_8 .	Rs.
I.—Works II.—Establishment			12,66,239
III.—Tools and plant		******	4,49,790 5 7 ,58 5
IV.—Suspense accounts		***	01,000
VLoss by exchange		•••	22,790
VI.—Less receipts on Capital Account			17,96,404 915
Net Total	•		17,95,489
INDIRECT CHARGES.			
Captalization of abatement of land revenue Leave and pension allowances	···	·······	11,210 33,597
Total			44,807

2.—INTEREST ACCOUNT.

Interest charges to end of 1885-86 Ditto for 1886-87

11,15,323 71,820

Rs.

Total

11,87,143

3.—REVENUE ACCOUNT (ACTUALS)

REVENUE ACCOUNT.

	Expeni	OITURE.		RECE	IITS.
	During 1856-87.	To end of 1886-87.		During 1886-87.	To end of 1886-87.
I.— Works, Maintenance and Repairs—	Rs.	Rs.		Rs.	Rs.
Works (extensions and improvements)		3,033	Water-rates		2,611
Maintenance and repairs Establishment, includ-	11,988	3,71,768	Navigation	51,904	7,09,319
ing direction and accounts Tools and plant	2,756 4,155	85,971 19,498	Miscellaneous	2,500	16,665
Total	18,899	4.80,270			
II.—Revenue manage- ment— Navigation Establish- ment	3,026	46,848			
HI.—Refunds of revo-	910	910			
Total working expenses Profit	22,855 31,569	5,28,028 2,00,567			
Total	54,404	7,28,595	Total	54,404	7,28,595

The works of which this canal consists were completed in 1873. A supplementary estimate for this project, amounting to Rs. 10,39,571, was submitted in March 1886 to the Government of India in connection with the revised estimate for the Orissa Coast Canal. It has been received back for further information regarding its financial prospects, and is being further revised on account of alteration in the works, but is expected to be ready for resubmission on an early date.

The interest charges have been recalculated from the commencement in accordance with the orders of the Government of India. The total receipts on revenue account were Rs. 54,404 against Rs. 52,455 for the previous year. The increase is due to miscellaneous receipts entirely, the navigation receipts

being Rs. 51,904 against Rs. 52,143 for 1885-86.

54. The table below gives the usual particulars regarding the traffic since the year 1877-78.

COMPARISON OF TRAFFIC.

TRAFFIC.

PARTICULARS.	1877-78.	1878-79.	1879-80.	1880-81.	1881-82.	1882-83,	1883-84.	1884-85.	1885-86.	1880-87
Miles open No.	29	59,723	29 44,318	53,338	29 45,848	29 43,694	29 62,317	20 41,882	29 52,143	29
Foll coffections Rs. Bate of tells per mile	60,971	60,720	99,010	10004000	Our Services	The second	0.000	F		51,904
of canal Ps.	2,102.42	2,039.41	1,518'80	1,839.20	1,581.00	1,510.00	2,145.00	1,427.00	1,798.03	1,789 72
Number of boats No.	23,582	22,160	16,311	21,793	20,057	17,415	22,718	17,000	10,316	17,542
Fonnage of do Tons.	158,433	164,648	1,20,121	1,51.781	1,33,020	1,32,884	1,98,764	1,45,424	1,63,535	149,747
Passengers carried No.	1,932	3,623	3,061	3,531	3,286	5,510		•••••	******	8,569
Estimated value of cargo Rs.	31,30,503	41,55,353	25,86,031	23,34,731	21,19,855	23,83,244	36,42,029	30,96,852	32,74,901	31,48,828

The traffic in grain was slightly less than that of the previous year owing, it is believed, to the price of rice and paddy having fallen in the Calcutta market.

It is probable, however, that, but for the silted up state of this canal, the traffic would have shown on the whole an increase.

55. There was an increase of Rs. 2,188 in miscellaneous receipts, chiefly on account of fisheries.

MISCELLANEOUS RECEIPTS.

REVENUE BECKIPTS AND WORKING EXPEN-SES. 56. The following tables show the receipts on revenue account and working expenses of the canal for the last ten years; the figures are for direct charges only:—

REVENUE RECEEIPTS.

YEAR.		Navigation.	Miscellaneous.	Total.	Working expenses.	Net revenue.	
		Rs.	Rs.	Rs.	Rs.	Rs.	
1877-78		60,971	1,309	62,280	30,564	31,716	
1878-79		59,723	1,070	60,793	23,180	37,613	
1879-80		44,918	863	45,781	42,284	3,497	
1880-81		53,338	1,149	54,487	25,590	28,897	
1881-82		45,848	1,446	47,294	28,678	18,616	
1882-83		43,694	1,338	45,032	40,570	4,462	
1883-84		62,317	1,273	63,590	46,581	17,009	
1884-85		41,382	2,125	43,507	36,886	6,621	
1885-86		52,143	312	52,455	48,609	3,846	
1886-87		51,904	2,500	54,404	22,835	31,569	

WORKING EXPENSES. 1882-83 1883-84. 1886-87. 1870-80. 1880-81. 1881-82. 1884-85. 1885-86. PARTICULARS. 1877-78. 1878-79. Rs. Re. Re. Re. Rs. Re. 16,599 8,854 30,607 8,794 18,901 2,289 1,444 29,460 6,775 1,869 Maintenance and repairs 6,178 164 7,588 2,784 7,845 Tools and plant 18,899 39,401 22,634 25,809 37,597 43,866 33,832 20,453 45,480 DA.009 3,626 2,978 3,215 Wavigation establishment 8,405 2.737 3,885 2,956 2,869 8,554 8,148 910 Refunds of revenue ... 22,835 30,564 23,180 42,284 25,590 28,678 40,570 46,581 36,886 48,609 Total working expenses

The decrease in working expenses and consequent increased profit is due to the silt clearance of the canal having been postponed pending the consideration of the estimate for remodelling the canal.

SONE CANALS.

57. The Capital, Interest and Revenue Accounts of these canals are given CAPITAL ACCOUNT.

1CA	PITAL	ACCOUNT.

HEADS	HEADS OF ACCOUNT.						
Direct	CHARGES.			Rs.	Rs.		
IWorks	***	***		1,30,836	1,79,75,576		
II.—Establishment	•••	•••	•••	26,~05	50,41,853		
III.—Tools and plant		24.4.6	•••	17,175	20,90,276		
IV.—Suspense accounts	•••		***	(-) 37,904	1,42,140		
V.—Loss by exchange	***		•••	******	52,240		
		Total	[1,36,812	2,53,02,085		
VI −Less receipts on capit	al account	•••	•••	93	3,04,018		
	N	et total	•••	1,36,719	2,49,98,067		
	T CHARGES.						
Capitalization of abatement	of land reve	nue		157	37,631		
Leave and pension allowand	es	***	•••	3,739	8,55,114		
Tot	al indirect o	harges		3,896	8,92,745		

2. -INTEREST ACCOUNT.

Interest charges to end of 1885-86 Ditto for 1886-87 Rs. 1,05,24,014 9,97,188

Total

1,15,21,202

3.-REVENUE ACCOUNT (ACTUALS).

REVENUE ACCOUNT.

	EXPEN	DITURE.			RECE	IPTS.
0	During 1886 87.	To end of 1886-87.			During 1886-87.	To end of 1586-87.
I.— Maintenance and repairs.	Rs.	Rs.			Rs.	Rs.
Repairs Compensation Establishment, including direction and	3,08,757 8	29,07,168 2,463	Water-rates Navigation Miscellaneous		8,26,161 54,254 37,714	55,96,318 5,63,734 3,81,503
accounts Tools and plant	71,066 27,698	7,32,689 1,46,451				
Total	4,07,529	37,88,771				
II.—Revenue manage- ment. Irrigation establish-						
ment Navigation establish-	1,43,660	10,30,356				
ment	14,535	1,41,656		.		
Total	1,58,195	11,72,012				
III.—Refunds of Reve-	15,737	46,452				
Total working ex-	5,81,401	50,07,235	jses 			
Profit	9,18,429	15,34,320 65,41.55 5	Total		9,18,429	65,41,555

EARNINGS

58. The income and expenditure calculated on "carnings" of the year are shown below: direct charges only are given:—

Expenditure.	Amount.	EARNINGS.		Amount.
I.—Maintenance and Repairs.	ks.		Rs.	
Repairs Compensation Establishment, including direction and accounts Tools and plant Total	3,0×,757 8 71,066 27,698 4,07,529	Water-rates Navigation Miscellaneous		6,95,086 54.254 37.714
II.—Revenue management				
Irrigation establishment Navigation establishment	1,43.660 14,535	(WT		
Total	1,58,195			
III.—Refunds of Revenue.	15,737			
Total working expenses Profit	5.81,461 2,05,593			
Total	7,87,054	Total		7,87,054

The water-rates "earned" during the year on the Sone Canals represent the amount of the demand statements which reached the Collectors during the year.

59. The areas commanded and irrigable, and lengths of canals and distributaries open, are shown in the table following:—

LENGTHS OF

Division,				Distribu-	Gross area	Maximum discharge	AREA WUICH CAN DE IERIGATED.					
			canais.	canals.	taries.	command.	of canal.	Kharif.	Rabi,	Total.		
					Miles.	Miles.	Miles.	Acres.	Cubic feet per second,	Acres.	Acres.	Acres.
Eastern Sone Arrab Buxar				:::	861 70 621	71 1	857 4674 33 4	406,155 618,354 701,000	1,613 } 4,342	129,040 347,360	180,000 360,000	300,040 707,360
		T	otul]	2181	1452	1,158}	1,728,509	5,955	476,400	540,000	1,018,400

A length of $4\frac{1}{4}$ miles, from mile 5 to mile $9\frac{1}{4}$, has been transferred from the Arrah to the Buxar Division.

A length of five miles of distributary only was added to the total length of channels in the Eastern Sone Division. At the same time there has been a correction of one and-a-half miles less in the channels of the Arrah Canal, and the net result therefore is an increase of three and-a-half miles to the length of distributary channels.

60. The area irrigable is calculated for kharif at 80 acres per cubic foot of maximum discharge, and for rabi at 180 acres per cubic foot, allowing 3,000 cubic feet per second as the available supply. Of the total area commanded 1,728,509 acres, 1,350,396 are said to be cultivable, so that the areas which can be irrigated in the kharif and rabi, respectively, as shown by the above statement, represent about 35 and 40 per cent. of the culturable area. But, as mentioned in last year's report, the kharif irrigation has never yet reached 250,000 acres (exclusive of sugarcane), and it is doubtful whether it will ever be possible, for reasons then stated, to irrigate eventually more than two-thirds of the estimated kharif area, or whether more than one-fifth of the estimated rabi area will ever require canal water. It is probable, therefore, that 24 and 8 per cent. of the culturable area represent more correctly the areas which can be irrigated in the kharif and rabi respectively.

61. The following table shows the progress made with village channels and outlets :-

	DIVISION	·.		Total length of village channels completed.	Total number of temporary and permanent ontlets.	Number of permanent out- lets.
			*	Miles.	No.	No.
Eastern	Sone Division			$245\frac{1}{2}$	1,988	26
Arrah l	Division	***	•••	765 🛊	2,126	497
D	•••		507	1,538	131	
	Total 1886-87	***		1 518	5,652	654
	Total 1885-86			1,505	5,907	618

Of the total length of 1,518 miles of village channels completed, only 178 miles were constructed by Government agency, and the remaining 1,340 miles by private individuals. The latter figures are merely approximate.

A material reduction has been made in the number of temporary outlets

in the Arrah and Eastern Sone Divisions

62. The statements below furnish the rainfall statistics of the Sone Canal RAINFALL system from the year 1882-93, and the distribution by canal divisions for three years:-

				AVERAGE	OF 22 STATIC	ONS.	
			1886-87.	1885-86.	1881-85.	1883-84.	1882-83.
			Inches.	Inches.	Inches.	Inches.	Inches.
	August		11.73	16:69	9.09	4 23	8 77
Kharif season	September		12.51	10.57	5.41		5:05
	(October		8.33	0.34	3:50	1 5:11 0:73	4.20
	Total		32.57	27:60	18:00	10.07	18:32
	(November		0.53	,			1.21
Rabi season	December		0.22	2.45	•••••		
Well bomony) January	e: ()	1.47	0.10	0.55		1 65
	(February	•••		0.11	0.03		0.03
	Total	***	1.92	2 66	6:58		3.19
	Whole year		59.31	44.99	30.29	35 18	35 83

			EASTEI	IN SONE DI	VISION.	Лĸ	RATI DIVISIO	on.	BUXAR DIVISIO.:		
YRARS.			Kharif season.	Ra'il senson,	Whole year.	Kharif season.	Kabi serson.	Whole year.	Kharif season.	Rabi scusati	Whole year.
1886-87 1885-86 1884-85			Inches, 34'60 30'25 17'11	1 nches. 1 · · · · · · · · · · · · · · · · · · ·	Inches. 62:34 46:54 30:57	Inches. 36'40 27 02 18'84	Inches. 1.83 2.84 0.54	Inches, 62:39 44:68 31:62	Inches. 95-48 97-83 20'96	Inches, 1'8, 2'92 0'60	Inches. 51:00 4:72 31:87

The rainfal! of the year was exceptionally heavy, the average for 22 stations being 59:34 inches against an average yearly quantity for the whole area commanded by the Sone Canals of 40.89 inches. The Superintending Engineer remarks:-"In 1886-87, for the kharif season and the year the fall was much beyond that observed in the previous year, and also greatly in excess of the average. In the rabi season, compared with 1885-86, there was a falling off, but the rainfall in October 1886, 8.92 inches against 0.45 inches in October 1885, was so plentiful, and there was a further fall in January, that the character of the season for that crop was in reality much more favourable also. In point of fact the rainfall of the year was heavier, and as regards the crops better distributed than in any since 1869-70, when the Sone Canal project was taken in hand."

AREAS LEASED AND IRRIGATED. 63. In former year's reports the areas assessed with water-rates within the year have been taken as the standpoint from which the irrigation for the year has been discussed. Exception was taken to this in last year's report, and an attempt made to give the areas actually irrigated within last year for the purposes of comparison. In this year's report this plan has been still further matured, and for preceding years the figures have, as far as practicable, been recast on the above lines, and only such figures used, except when it is otherwise specially stated. They will consequently differ in many cases from those given in preceding Revenue Reports.

64. The following statement shows the area leased and irrigated for

three years: -

	1896	87.	1885	-86.	1884	-85.
DESCRIPTION.	Lensed.	Irrigatest-	Leased.	Trrigated.	Leased.	Irrigated.
	Acres.	Acres.	Acres.	Acres.	Acres.	Acres.
Five-year leases	(a) 194,419	194,556	173,829	179,784	(6, 145,094	151,510
Annual leases—	an no.			00.00	00.005	
Kharif	27.733	30,082	62,107	80,792	98,385	131,372
Rabi Sugarcane	10,639 5, 4 02	16.662 11,626	31.764 5.186	50,610 10,527	38,935 4,293	77,558 9,262
Hot weather	8,619	15,278	6,117	10,857	738	959
Total annual leases	52,393	73,648	105,174	152,786	142,351	219,151
GRAND TOTAL	246,812	268,204	279,003	332,570	287,445	370,661
Percentage of leased to irrigated area	92.0)2	83.8	9	77:	55

⁽a) Includes 68 acres leased after lat April 1887, with effect from the 25th June 1883.
(b) Of the area actually irrigated in 1884-85 in the Arrah Division, and either not leased at all, or leased under annual lease s. 5,726 acres were leased under five-year leases in 1885-86, with effect from 1st April 1884.

The Superintending Engineer remarks that a small proportion of the leased area was not irrigated on account of timely rainfall.

The result of the year's operations shows a falling off of 32,191 acres in the area leased from that of the previous year. The area irrigated was less by 64,366 acres, of which more than two-thirds was the deficiency in the Buxar Division. The deficiency is sufficiently accounted for by the abnormal quantity of rain.

It is satisfactory, however, that in a year of such favourable rainfall the area under five-year leases continued to increase, more especially taking into account that leases for 39,075 acres fell in during the year. New five-year leases, either renewals or fresh leases, were issued for 59,665 acres.

The area of all crops grown in the year, assessed during the year, deducting that cancelled in khationies, was 264,744 acres against 246,812 leased. In addition to the above, 30,886 acres, appertaining to the irrigation of 1885-86, were assessed, making a total of 295,610 acres, on which the earnings of the year should be calculated.

The improvement in the proportion of the area irrigated for which leases had been previously granted continues.

Taking into account five-year leases, the following are the irrigated areas by crops compared with those of the previous year:—

			1886-87. A cres.	1885-86. Acres.	Difference. Acres.
Kharif		••	177,510	217,072	-39,562
Rabi	•••		45,361	77,079	-31,718
Sugarcano	***	•••	30,055	27,562	+2,493
Hot weath	e r	•••	15,278	10,857	+4,421
	Total	•••	268,204	332,570	-64,366

In dividing the area under five-year leases under kharif, rabi and sugarcane in the Buxar Division, 182 ths of the total area is taken as kharif, 12 ths rabi,

LEASES.

ASSESSMENT.

and 1/2th sugarcane. For the other divisions, \(\frac{8}{10}\)th is taken as kharif and \(\frac{1}{10}\)th each rabi and sugarcane. The Superintending Engineer states that these proportions have been shown to be approximately correct.

The areas actually irrigated in each of the Executive divisions during the ARRAS IRRIGA-

last five years are shown below :-

	E	ABT K	RN SON	ck Divi	sion.	1	KRAIT I)IVISION	6.		BUXAR	DIVISION		TOTA	t. POR AI	LL DIVISIO	D #5.
	Anı	ual l	onses.			Annual	leases.			Annual		ĺ		Annual	leases.		***************************************
RAB.	Kuarif and rabi.		Sugarcane and hot weather.	Five year leases.	Total.	Kharit and rabi.	Sugarcane and hot weather.	Five-year leases.	Total.	Kharif and rabi.	Segarca ne and hot Westner.	Five-y-ar leases.	Total.	Kharif and rabi.	Sugareane and het weather.	Five-year leases.	Total.
	36,1 46,5 20,2	17 30 31	Acres. 3,917 150 1,328 1,041 1,316	Acres. 11,136 18,620 25,136 27,045 34,194	Acres. 32,770 54,800 72,995 49,940 47,579	Acros. 36,164 96,593 97, 96 54,968 21,710	Acres, 7,936 10,973 4,556 6,821 20,300	Acres. 53,030 56,372 82,573 95,232 98,737	Acres. 97,139 163,938 184,419 157,021 140,747	Acres. 27,632 101,413 64,909 56,140 13,163	Acres, 5,903 4,143 4,337 13,529 5,288	Acres, 10,389 26,330 43.8 (1 56,007 61,625	Acres, 43,924 131,876 113,047 125,269 80,078	Acres, 81,513 234,036 208,930 131,402 46,744	Acres. 17,756 15,254 19,221 21,384 26,904	Acres, 74,555 101,322 151,510 179,784 194,556	Acres. 173,82 350,61 370,66 332,57 268,20

The figures used in the corresponding statement of the previous year's report represent the areas assessed; those now given are the areas actually irrigated, except for the two years 1882-83 and 1883-84, for which the latter are not available.

65. The proportion of flow to lift irrigation was 96.5, to 3.5—the figures Flow and LIFT. for the last three years are—1885-86, 95 to 5; 1884-85, 93 to 7; and 1883-84, 90 to 19.

66. The following statement shows the duty obtaining in the year under portreview and in the previous one:—

			Eastern Main Canal Series.	Arrah Canal System,	Buxar Canal System.	Western Main Cana! Series.	Sone Canals,
1886-87	\(\text{Kharif}	{ Acres	4,858 56 ·8	107,621 107·1	59,586 142 ·8	167,207 114.8	207,565 95·5
1000-07	Rabi	Acres Duty on gross supply	10,143 46.7	35,182 65 1	30,791 1 48 ·9	65,273 87·9	5,416 78:6
1885-86	\ Kharif	{ Acres { Duty on gross supply { Acres } Duty on gross supply	39,532 45 4	124,441 88·7	80,661 97 0	205,102 93·6	241,634 79:9
1000-00	Rabi	{ Acres Duty on gross supply	12,324 42.6	44,946 128.0	17.371 116·1	92,317 121 .7	104,641

The duty for kharif is calculated on the supply entering the canals during the three months, August to October, and that for rabi on the discharge utilised during the four months, November to February. This method was first adopted in the report for the year 1854-85, and has been continued since.

The increased duty in the kharif season is attributed to the plentiful and seasonable rainfall, so much water not being required for rice irrigation as was necessary in the year preceding. The gross average discharge of the canals in the kharif season fell from 3,059 cubic feet per second in 1885-86 to 2,172 cubic feet in 1886-87. The low duty in the Eastern Sone Division is accounted for by the great percolation in some parts of the division owing to the sandy nature of the soil. The Superintending Engineer states that—"The main reason of the lower duty in the rabi season is that only water escaping from canals is excluded in calculating the duty, the whole of that admitted into distributaries being taken into account. The supply in distributaries has to be kept above what is actually necessary for irrigation to admit of the level of the water therein reaching the height necessary for flow irrigation, and the percentage of water wasted is also higher on a smaller area." For the purposes of comparing with other canal systems the duties on discharge utilised must be taken for the the kharif, and from Form I. E. these appear to be:—

Th	a 1	a .		9-701.00		04.0
Eastern Main				***	 •••	94.2
Western "	12	11	•••	•••	 ***	190.6
Some Canals g	eneral	y	***	•••	 •••	159.0

But it must be remembered that the figures given in connection with the kharif are taken with reference to the three months, August to October, only.

CROP EXPERIMENTS. 67. Experiments were carried out on crops irrigated by canal water in 263 cases, and in 256 on crops irrigated from other sources. The result is in favour of canal irrigation for the rice crop, the average yield being 17 maunds 3 seers of grain and 31 maunds 14 seers of straw, or 2 maunds 12 seers of grain and 1 maund 1 seer of straw in excess of the yield from other irrigation. In the case of rabi crops, on the other hand, the yield is slightly in favour of irrigation from wells and aharas.

DEMANDS.

68. The following statement shows the demands, collections, and balance of water-rates for five years:—

							DEMAND.						Percent-
		YEA	ES.			Arrears.	Current,	Total.	Romissions.	Net demand.	Collections.	Balance.	to current demand.
						Rs.	Rs.	ks.	ks.	Rs.	Rs.	Rs.	Rs.
1882.53						Rs. 4,86,849	Rs. 4,62,301	Rs. 8,99,150	Rs. 21,020	Rs. 8,78,130	Rs. 5,06,465	Rs. 3,11,665	Rs. 192°5
1882.53 1883.84				***								0.000	62200
			**	987	1	4,36,849	4,62,301	8,99,150	21,020	8,78,130	5,66,465	3,11,665	192.5
1883-84					1	4,36,849 3,11,665	4,62,301 7,42,311	8,99,150 10,53,97d	21,020 1,45,974	8,78,130 9,05,002	5,66,465 4 84,209	3,11,665 4,23,793	192°5

The figures in the above statement are taken from those compiled by the Examiner of Accounts. The amount of arrears at the commencement and the outstanding balance at the end of the year under review, together with the amount of remissions, agree with the figures given in the statement furnished by the Commissioner and Collectors. The Examiner's figures for current demand and collections are, however, in excess of those given by the above officers. The chief reason of the discrepancies being that miscellaneous assessments and collections made by the Collector of Shahabad are omitted by the latter. Minor discrepancies exist also, which render a complete comparison of the statements given by different officers impracticable, though the Superintending Engineer explains them as far as is possible. The Examiner's figures have been adopted in the following paragraphs, except where otherwise stated.

COLLECTIONS.

69. All arrears for years previous to 1850-81 were cleared off in 1×85-86, and the opening balance of 1886-87 included therefore only outstandings from 1880-81 up to the end of 1885-86, which amounted to Rs. 3,98,321. According to Collector's statements further demands for previous years, amounting to Rs. 68,609, were made during 1886-87, bringing up the total for recovery on account of irrigation effected in previous years to Rs. 4,66,930. Of this amount Rs. 3,46,381 was collected, and Rs. 33,708 remitted and written off as irrecoverable, leaving the balance of Rs. 86,391 outstanding at the end of 1886-87 on account of previous years against a balance of Rs. 1,55,000 as shown in round numbers in arrears in the previous year's report.

Assessments for irrigation of 1886-87 were made according to Collectors' returns to the amount of Rs. 6,21,156, of which Rs 4,74,332 was collected and Rs. 1,657 remitted, leaving a balance for collection of Rs. 1,45,168.

The outstanding balance at the end of the year was thus Rs. 2,31,559 according to Collectors' statements against Rs. 2,31,582 as reported by Examiner. Of the above sum, Rs. 43,645 on account of assessment for rabi irrigation, though due, was not legally payable till after the close of the year.

70. The outstandings at the end of 1886-57 are compared below with those of the previous year:—

Акинаня.

		1886-87.	1885-86.
		Rs.	Rs.
Arrears of previous years	•••	86,391	1,55,000
Arrears of year payable within the year		1,01,523	1,31,000
Total legally due	•	1,87,914	2,86,000
Arrears of year due but not payable	'	43,645	1,12,000
Total	·••	2,31,559	8,98,000

The following statement gives a comparison	by	districts	\mathbf{of}	the	result	as
shown in the previous paragraph of the operation	s of	the year:	_			57

EA,					ARRE EFFE	ARS DUE F	OR IRRIGA	TION EARS.	DEMAND	S FOR IRR		FFECTE
I	Distri	CTS.			Prn	CENTAGE OF	TOTAL DEMA	NDS.	PERC	ENTAGE OF	Total Dem	ANDS.
					Demand,	Collections.	Remissions.	Outstand ing at end of year.	Demand,	Collections,	9 Total DEMANDS. 18. Remissions of year of ye	Outstanding at end of year.
Shehabad —												
1886-87		200	1970		100.0	77:3	8.8	13.5	100.0	8314	0.59	16.34
1885-86					100.0	G4 N	15.3	19.9	100.0	72:3	0.3	27.1
Patna-			•		Ü.					İ		
1886-87					100.0	47.0	1.2	51.2	100.0	33.0	0.01	66:06
1885-86			•••	•••	106.0	53.1	11:3	35:3	100 0	31.7	0.3	Q4.₹
(lya-				8		1				1		į.
1886-87				***	100.0	88.5	3.0	8:5	100.0	46.1	0:47	53/13
1885-80					100.0	67.8	27:2	5.0	100.0	37 1	15	61.1
Average-											1	1
1886-87	***	200			100.0	74'3	7:2	18'5	100.0	76:35	6*25	211
1885-86		***	***		100.0	63.7	16.0	20:3	100.9	66.2	0.7	33-1

The result of the year's operations shows a very decided improvement in the collections both of arrears and of the current demand in all districts, except in Patna in the case of arrears. Taking the total demand under both heads, the Commissioner writes: - "In Shahabad more than three-fourths, and in Gya "more than half of the total demand was adjusted during the year under report, "while the adjustment in Patna was less than half of the total demand-a result "which is far from satisfactory. In Patna the bad collections of the year under "report were, among other causes, mostly due to the apathy and incompetence "of the former circle officer, whose services were dispensed with in March last. "It is hoped that future reports will show better results. The balances at the "close of the year have been largely reduced in all districts, specially in Shahabad "as compared with the balances with which the year opened."

The system of collection introduced during the previous year worked well, and on this point the Collector of Shahabad remarks:--" In the beginning "I feared that the enforcement of payment of rates in full according to each "receipt might retard collections, but happily my apprehensions have proved "groundless." The most favourable results have again been obtained in the Shahabad district, where by far the greater portion of the work is carried out, the total demand for the year in that district being Rs. 8,70,871 against Rs. 2,17,213 for Patna and Gya combined.

The collections in all districts aggregated Rs. 8,26,461 against Rs. 9,78,323 in the previous year. The decrease is attributable to the seasonable nature of the rainfall, which was unfavourable to leasing, and also to the great reduction in arrears effected in the two previous years.

71. The remissions for the year amounted to comparatively a very small REMISSIONS. sum, the total amount remitted being-

							Rs.
By ca	nal e	fficers	•••	•••	•••	•••	13,279
,, ci	vil	"	••••	• • •	•••	•••	22,085
							05 001
					Total	•••	35 364

against Rs. 1,26,266 remitted in 1885-86. These figures are not, however, strictly comparable as explained below. Rupees 22,083 remitted by civil officers (Rs. 20,808 in the Shahabad district) is the amount of arrears written off as irrecoverable against Rs. 40,486 in 1885-86. The decrease is chiefly on account of the large adjustments of arrears made in the previous two years. As

Of these Rs. 6,090 were replaced by fresh khationies in the following amounts:—

Rs. 544 Owing to five-year leases being granted. ,, 5,546 Owing to an assessment in

, 5,546 Owing to an assessment in a five-year lease extending over four years having been revised and replaced by a new demand statement for Rs. 5,144.

. 6,090

REVENUE ESTAB-

LIBHMENTS

regards remissions by canal officers the amount of Rs. 13,279, which appears in the accounts of the Examiner and Collection Department, does not take into account the sum of cancelled khationies, Rs. 85,780, which the corresponding figures for the previous year included. In the statement given by the Superintending Engineer the remissions plus the refunds are shown as Rs. 21,055; in addition to which khationies for the amount of Rs. 13,585* were cancelled, making a total of Rs. 34,640 against

Rs. 87,344 in 1885-86 and Rs. 53,966 in 1884-85.

The remissions by canal officers may be divided thus-

			Per	to grash	emission and relunds
				1880-87.	1885-86.
Eastern Sone Division		•••		0.68	11.8
Arrah Division	•••	•••		2.43	7.2
Buxar "	•••	•••	***	1.96	0.8

The result is very favourable, the proportion of remissions and refunds being insignificant.

72. The expenditure on the revenue establishments employed is shown below:—

	188	86-87.	188	5-86.
	Amount.	Percentage on collections.	Amount.	Porcentage or collections.
Permanent and temporary establishments,	Rs.		Rs.	
such as zilladars, ameens, &c	53,914	6 52	.56,110	5.73
Establishment employed under Collectors	28,028	3.39	29,573	3.02
Headmen's and putwaries' fees	61,718	7.47	60,345	6.17
Total	1,43,660	17:38	1,46,028	14.92

The charges for establishment during the year 1886-87, as compared with the previous year, show a reduction of Rs. 2,368. The actual realisations of the year were, however, less than those of the previous year by Rs. 1,51,862. Notwithstanding the large reduction in the amount of collections, there is a small increase in the amount paid on account of headmen's and putwaries' fees, and this appears to demand explanation.

The following statement shows the cost of the establishment employed on assessments during the year. The areas assessed, as shown in the statement, are the gross areas assessed in the year less the areas under five-year leases in force at the beginning of the year:—

	Divi	BION.		Areas measured	COST OF MEAS	URING CROP.	COST OF PERPARING DEMAN		
				and assessed.	Total.	Per acre.	Total.	Por acro.	
				Acres.	Rs.	Pies.	Rs.	Pies.	
Eastern S	one	· · ·	•••	25,789	1,297	9.65	684	4.72	
Arrah	***	•••	•••	81,150	4,923	11.64	3,575	14:87	
Buxar	***		***	26,041	1,741	12.83	745	5:49	
	Total	1886-87	•••	132,980	7,961	11:49	4,954	7.15	
	Total	1885-86		159,294	7,869	. 9.48	5,944	7.16	

The foregoing figures are approximate only, as the whole establishment was never exclusively employed on any special crop. Charges for one year's crop are disbursed in another, and there are other disturbing causes. The charge

per acre for measuring crop has again increased, it having been 5.91 pies per acre in 1884-85 on an average assessed of 255,255 acres. This appears to be due to the actual expenditure being, more or less, mainly either fixed or fluctuating with the total area, so that the charge per acre is almost entirely dependent on the area leased during the year, and varying inversely with it.

73. As regards the attendance of putwaries at measurements, the Superin- Putwaries. tending Engineer observes:-" Generally speaking there has been but little improvement, and in some cases the reverse in the percentage of measurements attended by putwaries. It is not easy to give a satisfactory explanation of the falling off, but it is probably partially due to the non-payment of fees in the case of five-year leases. The putwaries invariably receive notice of measurement, but their attendance is voluntary, and there are understood to be reasons against making it compulsory by legislation."

74. The number of complaints pending at the beginning of the year and COMPLAINTS. received during the year was 6,021, of which 5,420 were disposed of within the year. The corresponding number of complaints in 1885-86 were 13,589, so that the assessments would appear to have given rise to less objections than before. Four hundred and three miscellaneous petitions were received, of which 386 were disposed of. Thirteen cases were tried by Engineers vested with

magisterial powers.

75. There is nothing to show how many of the above complaints were in connection with unauthorised or surreptitious irrigation, the remissions even not having been classified by the Superintending Engineer as was done last year. But undoubtedly some were under this head; and it is probable that, with the whole number so largely diminished, there was a decrease under this particular head also, and that this source of irritation, to which the late agitation was in some degree due, was the cause of less friction than formerly. In future detailed information regarding complaints, as has already been pointed out in the case of the Orissa and Midnapore Canals (paragraphs 18 and 41), ought to be given by the officers concerned in their reports.

76. There was an increase in the number of certificates filed in the Patna CERTIFICATE PROdistrict, 2,542, against 1,794 during the previous year. Of these 1,176 were enforced, realising Rs. 3,334-4. In Gya no certificates were filed. In Shahabad 8,826 cases were instituted against 14,145 for the previous year. There were also 8,089 cases pending from the previous year. Of these 10,223 were disposed of, realising Rs. 47,786, or 5.7 per cent. of the total collections. Six thousand six hundred and ninety-two cases remained pending at the close of the year.

On this subject the Commissioner remarks:-

"The number of institutions has diminished considerably. They were generally on account of arrears of old standing which were suffered to accrue under the old system, and which it was found impossible to realise without coercive measures. The number, however, bears a very small proportion to the total number of rate-payers. The old arrears having now been nearly cleared off, there will be less necessity for recourse to coercive measures in

The Collector of Shahabad in his report remarks on the defects existing GENERAL RE. in the present system of assessments, preparation of khationies and disposal of complaints, giving an opinion that matters may be improved by the extension of the long-lease system. His remarks are worthy of consideration, but as in consequence of the numerous complaints that have been received, a Commission has been appointed by the Lieutenant-Governor to enquire into the whole question of the working of the system in vogue on the Sone canals, His Honour being of opinion that the matter could not successfully be disposed of otherwise, and the investigations of the Commission are now being carried on, there is every reason to hope that the searching enquiry instituted will result in recommendations which, followed by a revision, if necessary, of the Act and the rules in force under the Act, will enable matters to be settled by the assessing and collecting officers with a much less degree of friction than is at present experienced. It may be observed, however, here that the stringent measures recently introduced to enforce payments of rates has placed matters on a considerably better footing, and that any procedure, which has for its object the early filing of complaints, the dealing with them quickly and finally (so far, at any rate, as the mere fact of irrigation or non-irrigation is concerned) and the prompt realisation of the demands certified as correct, will, in

UNAUTHORISED JIHIGATION.

the end, tend to make the cultivator appreciate both the henefits of irrigation and his own responsibilities in connection with it and enable the Government to collect its just dues.

NAVIGATION.

78. The tables below show the navigation revenue and tollage receipts for the last five years:—

NAVIGATION RECEIPTS.

						EARI	KEN MAIN S	ERIES.	WEST	ern Main 8	ERIES.		Total
		TEA	В.			Number of mike open.	Tollage receipts.	Transport service receipts,	Number of miles open	Tollago receipts.	Transport mervice poccipts.	Total,	tollung only.
						No.	Rs,	Re.	No.	Ra,	Rs.	Rs.	Rp.
1889-88		· m				503	22,079	19,199	1822	16,026	14,705	71,205	80,304
1883-84		•••	•••	•••		861	22,563	0.305	13:1	25,410	80,856	85,193	48,032
1894-85					2.0	861	23,055	1.304	1321	14.280	18,122	\$1,761	\$7,865
1835-86	•••	•	***	***	***	801	19,579		1321	22,133	4,531	46,243	41,713
	***		***	***	***				1821	27,100			49,085

[.] These receipts are not on account of transport service, but for hire of steamers, flues and sundries,

TOLLAGE (ASSESSED).

	Year.				Arrah Chnal system,	Busar Canal system,	TOTAL.
		•		Rs.	Rs.	Rs.	Rs.
1882-83	•••			22,772	18,836	2,454	39,069
1883-84	•••		•••	22,206	19,791	5,593	47,590
1884-85		•••		23,142	10,316	8,937	37,393
1885-86			••,	19,523	14,808	7,385	41,719
1886-87	,,,,	•••	•••	22,646	18,289	9,001	49,936

Note-The figures in these two statements do not agree, the reason being that the first statement is prepared from the Examiner's returns, while the second has to be based on returns obtained from the Superintending Engineer, and there are some unadjustable discrepancies between them.

A fair increase in the traffic is apparent on all canals.

79. The following statement compares the traffic of the year 1886-87 with that of the four preceding years:—

	1886-87.	1895-80,	1884-86,	18,83-84,	1882-13.
Number of miles open at the end of the year Miles Toll collections Rs. Rate of toll per mile No. Boats, including empties No. Measured tennage of boats Estimated value of cargo Rs.	2183 49,665 227 8,573 104,835 64,65,651	\$18\\\ 41,712\\ 190\\ 7,210\\ 77,006\\ 36,41,863\\	218] 37,335 170 6,434 61,744 41,10,598	218\\ 45.132\\ 217\\ 217\\ 8.822\\ 95.472\\ 6254.476	218] 39,304 180 7,618 78,951 37,96,467

The increased value of goods carried is partly owing to the greater traffic and partly to specie carried for opium payments. The principal items of traffic are grain, oilseeds and timber, the down traffic being by far heavier than the up traffic. The most noticeable items on which there was an increase were grain, salt, building materials and miscellaneous. The cost of establishment employed on the collection of tolls and on locks was, according to Superintending Engineer, Rs. 13,379 against Rs. 13,644 in 1885-86. The charge is high, notwithstanding that the number of toll stations have been reduced, and is due to the great length of the canals and the small traffic.

80. There is a weekly steamer service maintained on the Patna canal, and a service twice a week on the Arrah and Buxar canals. These are in the hands of a contractor to whom three Government steamers are rented.

81. There are eight mills on the different canals, including a turbine on the Arrah canal at Nasrigunge. Three only of the small mills have afforded some return during the year. The total receipts under this head were Rs. 668

TRANSPORT

TRAFFIC.

MILA.

against an expenditure of Rs. 909. The excess expenditure is due chiefly to repairs to the turbine.

82. The miscellaneous receipts for the last five years are given in the MISCRILLANEOUS

following table:-

		1886-87.	1885-86.	1884-85,	1853-84.	1882-83.
T .		Rs:	Rs.	Rs.	Rs.	Rs.
ale of water		702	1,742	5.2	399	630
Plantations		319	307	178	107	38
ther canal produce		2,904	2,424	1,339	2.047	2,602
Water powers		668	469	488	857	77
Rent of huildings		7,198	7,218	6,409	6,305	6.180
Fines		169	653	734	778	763
(Rent of lands		15,231	14,369	13,770	13,322	11,564
Fisheries		565	421	732	350	553
MISCRELA- Cost of process		6,302	6,414	7,066	4,218	3.251
NEQUS. Sale of old material	s	443	355	405	55	422
Other items		3,213	3,713	8,651	5,967	20,467
Total		37,714	38,080	40,351	31,105	47,007

The falling off under "sale of water," the only item calling for remark, was due to a large payment being made in 1885-86 by the East Indian Kailway Company on account of arrears of previous years for water supplied to the Dinapore Railway station.

83. PLANTATIONS.—The state of the plantations in each division at the close of the years 1885-86 and 1886-87 is shown in the statement following:—

		1886	-87.			1885	86.			
Division.	Trees over 12 feet in beight.	Saplings between	Seedlings under 4 feet.	Total.	Trees over 12 feet in height.	Saplings hetween 4 and 12 feet.	Seedlings under 4. feet.	Total.	Increase.	Decrease.
iastern Sone Division Arrah Division Buzar ,	 No. 68,036 28,702 9,899	No. 43,620 11,820 δ,156	No. 49,741 52,835 12,963	No. 159,797 93,457 27,318	No. 63,369 28,445 9,414	No. 46,911 10,167 3,351	No. 54,527 87,123 9,660	No. 158,807 78,735 \$2,424	No. 990 19,722 4 ,89 3	No Nil Nil Nil
Total	 66,637	59,996	113,039	280,572	99,228	54,429	101,310	254,967	25,605	Nil.

The receipts for the year amount to Rs. 319 against Rs. 307 credited in the year previous. The expenditure was wholly charged to Revenue, and was as follows:—

		Total		5,189
Buxar ,.			•••	1,665
Arrah Division	***	•••	•••	2,849
Eastern Sone Division	•••	•••		675
				$\mathbf{R}\mathbf{s}$.

In the Arrah Division selected portions of the spoil banks were sown with babool seeds in the rains of 1886 and further extensions are now in hand. In all the divisions progress was made in planting out teak, sissoo, toon, and other valuable trees.

FINANCIAL RESULTS.

84. The receipts on revenue account and working expenses (direct charges) of the Sone canals for the year 1886-87 and the four preceding years are shown in the statement below:—

						- 4
Annual designation of the second seco	,	1886-87.	1885-86.	1884-85.	1883-84.	1882-83,
Receipts— Water-rates Navigation Miscellaneous		Rs. 8,26,461 54,254 37,714	Rs. 9.78,323 46,243 38,080	Rs. 7,70,359 51,761 40,354	Rs. 4,84,209 85,193 34,405	Rs. 5,66,465 71,205 47,007
Total		9,18,429	10,62,646	8,62,474	6,03,807	6,84,677
Working expenses— Maintenance Irrigation establishment Navigation ditto Refunds of revenue		4,07,529 1,43,660 14,535 15.737	3,80,929 1,46,028 14,756 10,657	4,50,313 1,29,308 16,885 7,435	8,74,795 1,14,005 20,248 5,429	4,02,841 1,05,883 19,880 1,237
Total		5,81,461	5,52,370	6,03,961	5.14,477	5,29,841
Net profit, exclusive of charges	indirect	3,36,968	5,10,276	2,58,513	89,330	1,54,836

The decrease in the net revenue is due to the falling off in water-rates and increase in expenditure owing to heavy repairs to the weir.

85. The cost of repairs to head works was as follows:---

WORKS.

			1880-87.	1885-86.	1884-85.
			Rs.	Rs.	Rs.
Sone weir			68,570	34,908	29,922
Other works		****	10,419	7,697	9,462
				-	
	Total	• ,•	78,989	42,605	39,384

The increased expenditure on the head works is almost entirely due to the

rebuilding of the Baroon and centre river sluice piers.

MAINTENANCE.

86. The following statement prepared from the Superintending Engineer's returns shows the expenditure on canals and distributaries in the different executive divisions compared with that of the previous year:—

					1	Arrah D	ivision.	Buxar D	ivision.	Eastern Sor	ie Division.
					Ī	1886-97.	1885-86.	1886-87.	1885-86.	1886-87.	1885-86.
					Ì	Rs.	Rs.	Rs.	Rs.	Rs.	Ra.
Rastern ditto Canal Branch canals	 	 	 		36,928 29,796 11,798 26,433	23,388 13,052 91,340	9,054 18,454 12,863 17,778	9,494 9,212 13,444	16,167 24,000 15,679	28,497 21,196 13,692	
Distributaries Drainage and protec	tive v	vorks	•••			1,932	670	1,090	210	2,130	2,14
52 XT: \$			1	otal		1,05,885	1,32,618	60,130	86,608	58,266	65,62

The total cost of maintenance of canals in all divisions, exclusive of headworks and telegraph and telephone lines, was Rs. 2,24,290 against Rs. 2,34,784 for the year 1885-86. The figures do not quite agree with those given by the Examiner, but the discrepancy is small. The decrease of the cost in the Main Western canal is due to smaller expenditure on silt clearance owing to the lower average discharge of the canal during the flood months—1,461 cubic feet against 2,203 in 1885-86. This reason is also assigned for the lower expenditure in the Eastern Main canal. The increased expenditure in the Buxar Division is chiefly due to the postponement of as much as possible of the work in the previous year owing to want of funds. The average expenditure for the two years is slightly less than that actually incurred in 1884-85.

The expenditure per mile incurred on repairs to the canals and distributaries during the year 1886-87 and the two previous years is shown in the following statement:-

							1886	-97.	188	5-80.	1881-85.	
CANAL.			Division.				Number of miles,	Cost per mile,	Number of miles,	Cost per mile,	Number of unles,	Cost per mile.
							No.	Rs.	No.	Rs.	No.	Rs.
Eastern Main canal		Е	stern	Sone			71	2,215	71	4 071	71	3,019
Western ditto			100000	***	***		.5	7,385	.5.	12,857*	5	11,438
	•				***	11.	163	546	161	256*	167	2,3; 6
Buxur canal	***		0.		***	***	452 79	406	442 79	209	45)	407
Patna do	***		stern		***	7.77	65	305 455	65	268	70	209
Arrah 'do	***			***	***	***	7.77	102	40}	859	65	626
Doomraon Branch	•••				***		401	182	31	179 189	401	333
Behea do,	***			***	***					168	31	223
Chowsa do	***			***	•••	***	394	200 131	393		894	143
Gurra Chowbey Branch	***				***	***	314		38	7×	38	135
		100					4673	54	469	66	4691	6
Distributaries	***			Sone	***	363	333} 357	63 45	3331 352	40 39	345	46

The expenditure on the Western Main canal from unles 5 to 9 for the years 1884-55 and 1885-86 has been deducted from the Arrah Division, and added to the Buxar Division to which the unites have been transferred.

87. The quantity of silt removed by dredgers in the Eastern Main canal DREDGING was 1,864,643 cubic feet at a cost Rs. 6,955, or Rs. 3-11-8 per 1,000 cubic feet, which does not include the cost of removal of the silt from the towpath. Of the silt dredged 1,325,757 cubic feet were deposited on the bank and 538,886 discharged into the river. The average rate in the previous year was Rs. 4-4-8 per 1,000 cubic feet. The low rate in the present year is chiefly due to the dredging having been confined to places where the silt deposit was heavy, and consequently full loads were always brought up by the buckets. The total quantity of silt dredged in the river was 3,100,682 cubic feet, the rate being Rs. 1-15-6 per 1,000 cubic feet, and in the Main Western canal 4,176,601 cubic feet at a rate of Ks. 3-8 11 for silt delivered in punts at the side of the canals. Inclusive of the cost of removing the silt, the rates were respectively in the river and canal Rs. 2,14.1 and Rs. 7-6-6. A large quantity of silt removed from the canal had to be carried over the spoil bank at a cost of its, 6 per 1,000 cubic feet. The Superintending Engineer remarks-"It is not possible, on the information available, to give, on the year's working the cost of silt clearance by the different classes of dredgers employed. This can best be determined by experiments extending over a limited time, which will be carried out."

Besides silt clearance by dredging a quantity of 1,105,522 was removed by hand from the Eastern Main canal at a rate of Rs. 4-5-4 for 1,000 cubic feet. In the Main Western canal a trifling amount only was thus removed at a total cost of Rs. 1,065. On the Arrah canal Rs. 1,370 was expended in dredging, and on silt clearance by hand Rs. 1,625. On the Buxar canal Rs. 51 was expended on silt clearance by hand.

88. The following statement shows the cost of weed-clearing during the WRED-CLEARING year 1886-87 and the four preceding years:-

						1886-87.	1885-86.	1881-55,	1885-84.	1889-80.
	8					Rs.	Rs.	Rs.	Rs.	Rs.
Eastern Sone Div	ision					314	2.115	1,589	2.777	7,721
Arrah Division	***			•••	•••	2,218	2,191	3,976	5,048	6,627
Buxar do.	•••	•••	•••	•••	•••	2, 65	77		270	29
				Total		4,597	4,683	5,565	8,995	14,377
35			•		1.00	-,0.7	159,500	1		

Of the total expenditure of Rs. 4,597, the cost of working the steam weedrake was Rs. 1,719, and the balance of Rs. 2,878 was expended in clearing by hand. The weeds in the Buxar canal were found to be specially troublesome, and for the first time during the last five years, it was necessary to spend a large sum in removing them. In the Eastern Main canal the expenditure was less than usual.

328.00.

CLOSURES.

FLOODS.

89. The Main Eastern series of canals were closed for silt clearance from the 1st May to the 18th of June 1886, and the Main Western series from the 1st to the 10th of April.

90. There was no high flood in the river Sone during the year. Owing to the heavy local rainfall there were high floods in all the minor streams. The Poonpoon river was in very high flood on the 8th and 9th of October 1886. The highest flood on record occurred in the Kao on the 7th October. The level of the water at the syphon aqueduct on the up stream side was R. L. 331.00, or one foot below that of the masonry towpath, and on the down stream side R. L.

CALCUTTA AND EASTERN CANALS.

DESCRIPTION

91. A DESCRIPTION of these canals was given in the Revenue Report for 1885-86. No works have since been added, and the length of the different channels remains the same.

The revenue administration of the canals formerly vested in the Board of Revenue, passed into the hands of the Public Works Department on the 1st April 1886, and the Revenue Report has been submitted by the Superintending Engineer. The management of the Calcutta canals and Tolly's nullah is at present in the hands of the Collector and Supervisor under the immediate orders of the Superintending Engineer. The charge of the works and of the Eastern canals and steamer route is in the hands of the Executive Engineer.

92. The capital and revenue accounts of the Calcutta and Eastern canals are given below:—

1.-CAPITAL ACCOUNT.

HEADS OF	Account.			Outlay during 1886-87.	Outlay to end of 1886 87
Direct	CHARGES.			Rs.	Rs.
Old outlay prior to the year	r 1861-62	**		*****	(a) 24,91,012
I.—Works	***			4,260	19,87,258
11.—Establishment	- * *			980	3,70,869
III.—Tools and plant	•••			() 807	3,43,106
IVProfit and loss		• • •			847
V.—Suspense accounts	•••		•••	723	12,684
		э			
	1	Total		5,156	52,05,776
Less-Receipts on capital a	ecount	•••	•••		41,553
Indirect	Net 7			5,156	51,64,223
Leave and pension allowan	ces	***		137	59,051
	7	Fotal		137	59,051

2.—REVENUE ACCOUNT (ACTUALS).

	EXPEND	TUBE.		REC	EIFTS.
3	During 1886-87.	To end of 1856-57.		During 1886-87.	To end of 1886-87.
	Rs.	Rs.		Rs.	Rs.
Old outlay prior to the year 1861-62 Works (extensions and improvements) Maintenance and repairs Establishment Tools and plant	5,092 1,02,480 66,969 8,347	(a)13,63,615 8,94,966 27,04,286 20,12,347 43,566	Navigation Miscellaneous	4,77,199 6,455	80,17,101 (b) 1,06,71,942 (b) 4,06,308
Profit Total	1.82,888 3,00,766	70,18,780 1,20,76,571			
Total	4,83,651	1,90,95,351	Total	4,83,654	1,90,95,35

Note,—(a) Approximate expenditure prior to the year 1861-62 as supplied by the Board of Revenue, Lower Provinces,
(b) If was mentioned on the foot-note to this statement in last year's Report that the figures are not quite accurate, certain receipts under "Navigation" having been shown as "insectioneous revenue;" the error has now been corrected by the transfer of Rs. 21,661 from the latter to the former head.

The above statement is exclusive of indirect charges.

There is no interest account, the whole expenditure having been defrayed from Provincial funds.

93. The following statement shows the financial results of these canals for the last ten years. The figures are for direct charges only. The average net revenue has exceeded five and a half per cent. on the capital expenditure:—

FINANCIAL RESULTS.

				DIRECT CAPIT	AL CHARGES.	DIRECT	RECEIPTS AND O	UTLAY.	Percentage of net direct revenue to
	Y	BAR.		During the year.	To end of the year.	Gross revenue,	Direct charges.	Net revenue.	direct capital expenditure t end of year.
		The real	1	Rs.	Rs.	Rs.	Rs.	Ev.	Rs.
1877-78			 	14,143	31,68,162	4,41,208	1,84,699	2,56,609	81
1878-79	•		 	1,88,727	33,06,289	4,01,535	1,70,264	2,31,271	6.9
1879-80			 	2,54,181	35,60,470	3,44,565	1,88,778	1,55,787	4:3
1880-81			 	6,14,495	41,74,965	4,14,145	2,15,601	1,98,544	4.7
1881-82 .		•••	 	5,50,123	47,25,088	4,82,467	3,27,254	1,55,213	322
1882-83			 	3,15,059	50,40,147	5,64,194	3,20,265	2,43,929	4'8
1883-84			 	1,52,297	51,92,444	5,64,101	2,20,621	3,43,477	6.6
1884-85	•••		 	. 9.197	52,01,641	(a)5,09,728	2,78,192	2,91,534	2.0
1885-86			 	(-;42	51,59,067	(6) 4,79,484	1,86,747	2,92,757	5:7
1888-87			 	5,156	51,64,223	4,83.654	1,92,888	3,00,766	E'S

(a) Is Rs. 35,185 larger than it should be by reason of error of account.
(b) Is Rz. 35,185 smaller than it should be by reason of error of account.

The gross revenue of the year is not directly comparable with that of the two previous years for reasons given in the previous year's Revenue Report. The correct figures are Rs. 4,83,654 against Rs. 5,14,669 for the previous year and Rs. 5,34,541 for 1884-85. The net revenue corresponding is Rs. 3,00,766 against Rs. 3,27,920 for 1885-86 and Rs. 2,56,349 for 1884-85.

COLLECTIONS.

94. The following statement shows the details of the revenue collections:—

				KECH	SIPTS BY	SUP	ervisor.			BECEIPTS BY THE EXE- CUTIVE ENGINEER.			UR.
CANALS.	Number of boats.	Bout route.					Steamer route.	Super-	ands.			SVBS	
		Toll cellection on nouts.	Demurrage on boats.	Total.	Rents of ferries, lands, buildings and fisher- ies.	Miscellaneous.	Total.	fell on steamers and	Total collections by Su visor.	Rents of buildings and lands.	Miscellaneous.	Total.	GRAND TOTAE, GROSS REVENU
		Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Re.	Rs.	Rs.	Rs.	Rs.	Rs.
Calcutta and Eastern ennais Tolly's nullah		3,58,731 1,09,351		3,59,433 1,09,395	5,452 911	693 776	3.05,568 1,11,115		3,69,933 1,11,115	2,606		2,606	3,72,530 1,11,110
Total 1886-87	145,768	4,68,082	746	4.68,828	6,306	1,459	4,76,683	4,365	4,81,018	2,666		9,608	4,83,65
Total 1885-86	147,059	4,87,553	4,660	4,92,213	15,715	546	5,08,474	5,365	5,13,839	617	(-)35,002	(-)31,855	4,79,48

The gross revenue, as explained in the preceding paragraph, is Rs. 4,83,654 against Rs. 5,14,669 for the previous year. The decrease is attributable to—

(1) Abolition of return trip tolls.

(2) Transfer of canal lands to the Civil Department.

(3) Abolition of demurrage on dinghees.

(4) At the Dhappa toll station, dulness of jute and rice trade.

(5) At the Chitpore toll station, falling off in salt and coal.

95. The following statement shows the number of the different classes of boats entering the canals:—

	NUMI	BER OF BOATS OF	THE FOLLOWS	NG MEASUREME	NT BY CANAL	RULES.
	Up to 109 maunds.	Between 100 and 1,000 maunds.	Between 1,000 and 2,500 mannels.	Between 2,500 and 5,000 maunds.	Over 5,000 maunds.	Total.
Circular and Eastern canals Tolly's nullah Boats not classed, but being mostly	31,769 17,227	24,740 19,031	17,419 5,049	1,751 54	40	75,720 41,361
paying toll at Russah						28,787
Total 1886-87	48,989	43,777	22,461	1,805	49	145,768
Total 1885-86	47,616	44,657	22,553	1,715	31	*147,059

• Includes 30,457 not classed.

There is a small increase apparent in the number of boats between 2,506 and 5,000 maunds and over that measurement, and also in the number of those up to 100 maunds over the figures of the previous year, but the total number is very steady.

96. The following statement shows the traffic in the Calcutta and Eastern canals during the year under review and the two previous years:—

Tonnage of boats by cana cargo carried. cargo carried. measurement. demurrage of cargo. Tons. Tons. Rs. Rs. 8,63,798 1,09,305 645,250 215,684 145,768 Total 2,323,202 860,934 5,30,42,670 4,73,193 1,819,746 654,653 676,040 287,097 4,75,89,002 1,25,64,300 3,83,057 1,09,158 74,715 Total 147,059 2,474,399 1,063,143 6,01,03,802 4,92,213 ... { Calcutta canals Tolly's nullah ... 85,539 78,805 1,516,051 609,571 719,628 415,147 Total 162,347 2,485,422 1,184,770 6,40,60,329 5,13,171

The decrease in tollage is entirely in the Calcutta canals, and is attributable to reasons mentioned before. The number of boats, however, shows an increase, the reason of which is that in the previous year all boats alying outside locks used to take monthly tickets; but under new rules dating from

BOATS.

TRAFFIC.

1st April 1886, such tiquets are only given for small boats carrying perishable articles to the soorahs or small channels in connection with the canals. The number of monthly tickets issued was 1,090 against 1,300 in the previous year. The decrease in tollage is further accounted for by the general depression in the rice and jute trade, and in the amount of coal and salt carried, considerable quantities of these commodities now being forwarded by rail and up-country steamers.

97. The collections on account of steamers and flats using the Sunderbund COLLECTIONS ON route were Rs. 4,365 against Rs. 5 365 in the previous year, the number of vessels being 873 against 1,073. This decrease was due to the vessels of the Bengal Central Flotilla Company having been bought up by the India General

Steam Navigation Company.

98. The number of missing tickets was still further reduced during the year under review, being 542 against 653 of the previous year, pointing to an improvement in the administration.

99. The table below compares the entire cost of the revenue establishment R under the Collector and Supervisor with the gross collections made by him:-

·*			Gross collections made by Supervisor.	Cost of entire revenue establishment.	Percentage.
1886-87			Rs. 4,81,048	Rs. 42,714	8:84
	 ***	***			
1885-86	 		5,13,839	44,751	8.70
1884-85	 	•••	5,33,694	47,280	8.85

An increase is apparent in the percentage of charge, which is due to a decrease in the traffic. The cost per boat measured shows a slight decrease, being 4.69 annas per boat against nearly 4.87 annas in the previous year, which is satisfactory. The cost of the establishment includes the pay and commission of the Collector and Supervisor.

100. The total expenditure under this head was Rs. 1,07,572, of which Maintenance. Rs. 5,092 was expended on "extensions and improvements" in the erection of girder bridges at Gurriah and Tolleygunge, and Rs. 1,02,480 was expended on actual repairs against Rs. 67,942 in the previous year.

Only such repairs as were indispensably necessary were carried out.

101. A small quantity of dredging was carried out chiefly in removing a DREDGING. shoal which had formed below the Dhappa lock. About 311,500 cubic feet of will was excavated at a cost of Rs. 3,259, or at a rate including disposal of the silt of Rs. 10.46 per 1,000 cubic feet.

ORISSA COAST CANAL.

102. The following statements show the capital and revenue accounts of this canal:-I -CAPITAL ACCOUNT.

HEADS OF ACCOUNT.			Outley during	Outlay to end of 1886-87.
DIRECT CHARGES.			Rs.	Rs.
I.—Works	•••		2,43,699	29,10,742
II. Establishment			56,051	6,42,273
III.—Tools and plant			8.800	1,36 927
IV. Suspense accounts	•••	•••	(-)10,657	47,082
	Total		2,97,893	87,37,021
V receipts on capital account			679	2,864
	let total		2,97,214	37,34,160
INDIRECT CHARGES.	į.	ľ		~00
Capitalized abatement of land revenue				730
save and nension allowance		••• 1	7,847	69,833
Total ind	irect charges		7,547	90,563

STRANTERS AND

MISSING TICKETS

The expenditure under capital account has been entirely from Provincial Funds with the exception of Rs. 8,66,000 contributed from Imperial Protective Funds, of which Rs. 84,000 was received during the year. There is no interest account. The total expenditure has exceeded the estimate and a revised estimate will very shortly be submitted.

II.-REVENUE ACCOUNT (ACTUALS).

	Expand	ITU ES.		Rece	1778. A
	During 1886-87.	To end of 1886-87.		During 1886-87.	To end of 1880-87.
I.—Maintenance and	Rs.	Rs.		Rs.	Record
Repairs. Maintenance and repairs	43,969	67,124	Navigation	28,587	42,250
Establishment, including direction and accounts.	10,120	15,446	Miscellaneous	901	956
Tools and plant	3,432	4,223			
Total	57.521	86,793	Total receipts	29,488	43,206
II.—Revenue manage-					
Navigation establishment.	2,183	2,792	Deficit	30,216	46,379
Total working expenses	59,704	89,585	Total	59,704	89 585

The revenue account of this canal was opened in 1885-86 when Range III, a length of 36 miles, was opened for traffic. The revenue collections were then Rs. 13,718, and maintenance and establishment charges amounted to Rs. 29,881 (the maintenance charges being enhanced by Rs. 20,088 on account of cyclone damages), and a deficit of Rs. 16,183 resulted. During the year under review, Ranges IVA and V were temporarily opened for traffic from 15th July to 31st December 1886, being a further total length of 55 miles. This caused a satisfactory increase in revenue receipts, which amounted to Rs. 29,488, but a deficit of Rs. 30,216 has resulted. The cause of this is the same as operated in the previous year, the bulk of the expenditure being chiefly for repairs to damages caused by the cyclone of 1885 and flood damages, probably nearly Rs. 40,000 of the maintenance charges were due to these. The increase in the revenue receipts is the more satisfactory when it is taken into account that the traffic was entirely local, and good results may be anticipated when through communication, which has already been established, is followed by the remodelling of the Hidgelee Tidal canal and the canal route to Cuttack is thoroughly established.

SARUN CANALS.

103. The Capital and Revenue Accounts of these canals, which have been constructed from provincial funds, are given below:—

I.-CAPITAL ACCOUNT.

	JU	ATTIAL ACC		
НВ	ADS OF ACCOUNT.	113 700000000000000000000000000000000000	Outlay during 1886-87.	Outlay to end of 1886
D	IRECT CHARGES.		Rs	Ra
Works	***			4,79,946
Establishment	•••			1,64,170
Tools and plant	•••	'		25,612
Less-Receipts on cap	100mm U.S. 100mm	otal	8	6,69,7 28 498
	Net to	otal		6,69,280
IND Capitalized abatement Leave and pension all	of land revenue			27,086
T	otal indirect char	ges	144	27,183

A Property		55 NO. 1	2-	vi•	
TT	DUN	ETT . LOT	THEFT	ACTU	ATQ \
TT- IND	7.4.4	STATE OF THE PARTY	TO CAST.	-(VCTO	A 110.)

	Expan	DITURE.	* *	REG	EIPTS.
	During 1886-87.	To end of 1886-87.		During 1886-87.	To end of 1886-87.
Maintenance and repairs Establishment Tools and plant	Rs. 23,481 5,400 (—)978	Rs. 1,50,207 34,544 (—)7,904	Water-rates Navigation Miscellaneous	 Rs. 11,072	Rs. 1,10,666 263 7,447
			Total Deficit	 12,427 15,476	1,18,376 58,471
Total	27,903	1,76,847	Total	 27,903	1,76,847

The expenditure of the year which is entirely under revenue account is in excess of that for the previous year, being Rs. 27,903 against Rs 22,751. The extra cost is stated to be on account of river protective works at the head, and heavy expenditure owing to the difficulty in keeping open the head of the Thakraha Sota which is the chief source of the supply for the canals and a new cut having eventually to be made. The revenue receipts are very short, being Rs. 11,072 against Rs. 41,143 in the previous year—when there was a net profit of Rs. 18,392—as against a deficit of Rs. 15,476 in the year under review. The collections on account of water-rates, and guarantee, Rs. 11,072, are about one-half of the yearly guarantee which is Rs. 21,750. The arrears which amounted at the commencement of the year to Rs. 22,035 were at the end of the year Rs. 32,712. The result, as remarked by the Commissioner, is not satisfactory, but no explanation is forthcoming of the reason for the guarantor's witholding payment. The Collector states that they have been called upon to pay in their dues without further delay, and the balance is in course of realization.

average of ten stations against 39.27 inches for the previous year, and a yearly average up to 18.5-86 inclusive for the area under the influence of the Sarun canals of 37½ inches (observations extending over periods of 3 to 17 years).

indigo manufacture, on which last account the construction of the canals was primarily undertaken. The area irrigated during the year was 2,146 acres against the areas shown below as irrigated in former years:—

					Actes
1881-82	•••	•••		•••	666
1882-83	•••	•••	•••	•••	1,741
1883-84	•••	•••	•••		21,122
1884-85	•••		***	***	7,225
1885-86	•••	•••	***	***	4,56

NUDDEA RIVERS.

106. No capital or revenue accounts are kept for these works. The revenue administration is under the direction of the Board of Revenue and civil officers, but proposals have lately been made to transfer the management to the Public Works Department.

107. The following statement shows the revenue and expenditure on these rivers for the last seven years, including direct charges only:--

				REVENUE.	Charges.	Net revenue.	
×	Year. Tolls	Tolls.	Miscellancous,	Gross revenue.	Ondi Kes.		
1930-81 1981-69 1862-83 1862-85 1862-85 1862-87			Rs 2,81,957 2,10,041 1,82,851 2,00,908 1,981 1,83,382 2,02,707	Rs. 676 1,179 616 1,926 476 399 543	Rs. 2,32,633 2,11,220 1,82,967 2,02,834 1,95,457 1,83,781 2,03,250	Rs. 1,21,846 2,70,720 1,18,231 1,22,378 97,335 77,668 60,213	Rs. 1,10.78759,500 64,736 80,456 98,122 1,96,113 1,43,087

REVENUE.

The results are undoubtedly satisfactory. The charges are less in the year under review than in 1885.86, and do not amount to one half what they were in 1883-84. At the same time the gross revenue shows an increase, and is greater than in any of the preceding four years.

TRAFFIC

CHARGES

108. The Administration Report submitted by the Commissioner of the Presidency Division, through the Board of Revenue, gives the following details of the traffic for the year as compared with that of the previous year. The details of former years have been taken from the previous year's revenue report:—

Y	EAR.		Numi	BER OF BOAT	a. -	NUMBER OF STRAMERS AND FLATS.			Number of rafts,	Total	Tonnage of boats b
5/7		Below 100 maunds.	Above 100 maunds.	Passenger bonts.	Empty boats.	Total boats.	Steamers.	Flats.	&c.	number.	ment.
	*****										Tons.
1880-81	•••	 1,477	34,165	23,608	14,602	73,943	39	53	360	74,394	
1881-82		 1,255	30,824	22,570	13,975	67,724	130	84	977	38,915	1,231,678
1882-83		 1,041	27,566	21,013	10,907	€0,530	91	00	432	61,113	915,020
1883-84	2111	 1,262	28,575	23,746	11,282	64,865	123	67	461	65,516	957,088
1884-65	***	 1,206	29,569	21,189	9,803	64,826	301	95	1,133	66,355	900,208
1885-86		 1,965	27.764	21,908	9,592	60,329	254	77	895	61,555	361,467
886-87		 1,284	29,913	23,231	11,192	65,610	354	121	755	63,870	835,403

[.] The figures for tonuage are taken from the monthly traffic returns

The traffic shows a tendency to revive, and an increase in the number of boats of all classes is apparent and is more especially noticeable under the head of steamers and flats which is attributed to steamers passing to the upper provinces during the rains, and to a greater number of vessels passing through to Assam, Serajgunge and Naraingunge for oil-seeds and jute. In the Nuddea portion of the Bhagiruthi the increase in traffic is chiefly due to exports of wheat, rice and gram, which were produced in large quantities in the Burdwan and Moorshedabad districts. On the Jellinghee river the increase was chiefly due to the export of wheat and on the Matabhanga river chiefly to the imports of rice from the Eastern districts. The revival in the traffic and the improvement in the receipts is attributed to the favourable state of all the three rivers. The fact of the gross tonnage for the year being less than that for the previous year is accounted for by the introduction of the new system of measurement for empty boats the depth of which in calculating the maundage is now measured from the water-line instead of from the gunwale.

The total value of cargo carried is estimated at Rs. 3,57,12,518, ugainst

a value of Rs. 3,38,41,805 in the previous year.

109. The charges against revenue for the past seven years are detailed in the following statement:—

- GRANI	CHARGES IN CIVIL DEPART- MENT.	CHARGES IN PUBLIC WORKS DEPARTMENT.								CHARGES IN PUBLIC WORES DEPARTMENT. IN CIVIL DEPART-					YBAR.	
TOTAL	Charges for collection.	Total.	Tools and plant.	Estab- lishment.	Petty items.	Working Govern- ment steamers.	Mainten- ance and repairs of works.	Works.			I BAE.					
Re.	Re.	Ra.	Rs.	Rs.	Ra.	Rs.	Re.	Rs.		ereen.						
2,91,84	20,905	1,00,941	478	84,759	228	1,625	68,856			•••	•••	880-81				
2,70,72	20,793	2,40,928	1,32,198	32,828	85		74,778	10,239			1900	881-82				
7,10,00	18,729	99,502	43,400	14,181	1,278	138	54,748	8,603			•••	882-83				
1,25,40	21,129	1,01,249	(-)1,509	19,907	552	543	81,618	1,031			•••	355-84				
47,88	90,790	76,545	11,749	13,976	2,276	935	67,579	30	.,.		•••	8445				
71	\$1,662	156,006	1,759	9,901	1,422	800	42,124				·	85-86				
-	29,528	87,585	1,409	6,665	1,984	1,900	16A27	******		***	·	80/87				

The expenditure in the year 1881-82 was altogether abnormal on account of the heavy charge of Rs. 1,38,198 for tools and plant. This sum was on account of a dredger and set of barges which was charged against these rivers.

The decrease in charges incurred by the Public Works Department under maintenance is considerable, but no explanation is afforded under this head by the Superintending Engineer. The work carried out was of the usual character, the training works on the Bhagiruthi being for the purpose of maintaining navigation throughout the year, and on the other rivers for the purpose of maintaining a supply of drinking water for the villages on their banks.

110. The total cost of collection is slightly in excess of that of the pre- Collection vious year which is accounted for by the greater commission drawn by the Toll Collector owing to increased collections. The percentage of cost on the gross revenue is, however, less, being 11·1 against 11·8 in the previous year. The cost per boat measured has also fallen from 5·6 to 5·4 annas.

EDEN CANAL.

111. This work has been constructed entirely from Provincial funds, and there is no capital or revenue accounts. Its primary object is the supply of drinking water to the villages on the banks, and it is also the source of supply for the Burdwan water-works.

112. The expenditure for the year was as follows:—

EXPENDITURE.

						Rs.
Works		***	***		•••	16,094
Maintena	nce .			•••		22,258
Establish	Establishment and tools		•••	***	***	10,072
				Total	****	48,424

113. The revenue derived was Rs. 810.

114. All irrigation from the canal was prohibited under the orders of IRRIGATION. Government, as it was found that a guarantee could not be obtained for the extra cost of maintenance that would ensue from keeping up the supply of water. The question of regular irrigation from this canal is under consideration awaiting proposals for a workable scheme under which those benefited will defray the cost of additional works necessary to keep up the level of the water, and also the cost of the yearly maintenance.

MADHUBAN CANAL.

115. This is a small provincial work for which no capital or revenue IRRIGATION. accounts are kept. No irrigation was carried out from it during the year on account of a breach in the weir.

116. The expenditure for the year was as below:-

EXPENDITURE.

					Rs.
Works	•••	***	•••		4,380
Maintenance	***		•••		1,263
Establishment	•••		*	•••	1,298
			Total		6,941

GENERAL REMARKS.

117. The net income of the year 1886-87 from Major Irrigation works in NET INCOME. Bengal amounted to Rs. 54,029 thus:—

						Rs.
Gro	s direc	t receipts	•••	***		 13,86,629
	"	charges	•••	***	•••	 13,32,600
i.						
					Nat	54 029

The budget estimate for net revenue was Rs. 2,05,000, and the revised estimate was (-) Rs. 55,000, thus:-

			Budget.	Revised estimate
			Rs.	Rs.
Direct receipts	 	•••	13,30,000	13,30,000
charges	 ***	••	11,25,000	13,85,000
				<u> </u>
	Net revenue		2,05,000	(-) 55,000

The net revenue of the year, though much below the budget estimate in consequence of heavy charges on account of repairs to the Mahanadi weir, was more favourable than anticipated in the revised estimate, owing to large collections of water-rates on the Sone Canals at the end of the year.

118. The following statement shows the principal results of the year calculated by the "Earnings" as compared with similar results of the previous year:—

			1885-86,	1886-87.
			Rs.	Rs.
Orissa Canals	•••		-1,37,049	3,00,839
Midnapore Canal		•••	51.782	9,522
Hidgellee Tidal Canal			3,846	31,569
Sone Canals	•••		3,39,655	2,05,864
			-	
			2,61,234	-53,884

VALUE OF CROPS.

EARNINGS.

119. The approximate value of crops irrigated by Major Irrigation work during the year is shown below:—

CANALO.		188	5.86,	1886-57.		
CANALs.		Area irrigated.	Value of crops,	Area irrigated.	Value of crops.	
		Acres.	Rs.	Acres.	Rs.	
Orissa Canals Midnapore Canal	***	• 72,339 70,604	9,91,596 15, 96 096	77,709 69,762	9,75,447 15,34.764	
Sone Canals	•••	332,570	86,44,997	265,204	67,43,580	
Total		475,513	1,12,32,689	415,675	92,53,791	

PLANTATIONS.

120. The state of the canal plantations on the major works is shown in the statement below:—

		1885-86.		1886-87.			
CANALS.	Trees, 12 feet high and above.	Saplings, between 4 and 12 feet.	Seedlings.	Trees, 12 feet high and above.	Suplings, between a and 12 feet.	Soodlings	
	No.	No.	No.	No.	No.	No.	
Orissa Canals Midnapore Canal	41.817 5,421	26,998 4,780	74,033 2,515	50,737 5,023	28,148 5,109	68,719 453	
Hidgeliee Tidal Canal Sone Canals	590 99,228	4,443 54,429	1,573 101,310	106,637	4,81 6 59,996	2,784 113,939	
Total	147,056	90,650	179,431	163,339	97,569	185,890	

NAVIGATION REVENUE. 121. The following table shows the total of tall collections on the canals: Bengal distinguishing between canals solely for navigation and those for irrig tion and navigation with percentage of cost of establishment for collection and cost of measuring each boat:

	TOLL COLL	ECTIONS.	PERCENTAGE FOR COLLI AMOUNT C	ECTION TO	COST OF MEASURING EACH BOAT.	
	1885-86.	1886-87.	1885-86.	1886-87.	1885-86,	1886-87.
Works partly for irrigation and partly for navigation.	Rs.	Rs.			Annas.	Annas.
Orissa Canals	64,093	58,664	13.9	15.5	6.9	10:1
Midnapore Canal	1,25,331	1,09,693	6:0	6.9	27	2.6
Sone Canals	41,712	49,605	32.7	20.2	30.3	27.1
Total	2,31,136	2,18,922	13:0	14.3	6.6	7:2
Works for navigation only.						
Hidgellee Tidal Canal	52,143	51,904	6.0	5.8	2.6	2.7
Calcutta and Eastern Canals	F 19 090	*4,73,193	8.7	8.9	9.9	4.6
Orissa Coast Canal	13,663	28,587	4.4	7.6	1.8	3.8
Nuddea Rivers	1,83,781	*2,02,707	11.8	11.1	5.6	5.2
Total	7,63,126	7,56,391	9:2	9:3	4.8	4:7
GRAND TOTAL	9,94,562	9.74,413				

* Do not include miscellaneous receipts,

In the above statement if Rs. 16,660 miscellaneous receipts included in toll collections of the year 1885-86 were omitted, the gross toll collections from both classes of canals would be 8s. 9,77,902 against Rs. 9,74,413 for the year under review. The toll collections under canals for navigation only would show an excess collection of about Rs. 10,000 over the figures for the previous year and for canals for irrigation and navigation a decrease of about Rs. 13,000 chiefly on account of the falling off in the receipts for the Midnapore canal. Where the percentage of cost of collection and the cost of measurement of each boat is greater than that for the previous year, the cause is owing to the decrease in the traffic. In the Orissa Coast canal the large increase is due to the increase in the number of toll stations, while still the traffic was undeveloped. In this canal and in the Calcutta and Eastern Canals the cost of establishment is not included, being shown under maintenance charges. In future the charges should be made under the proper head. In the case of the Calcutta Canals and Nuddea Rivers, the percentage is heavy on account of the pay and commission of the Collector and Supervisor in the former case, and the large pay and commission received by the Toll Collectors in the latter, the system of administration being different to that in other canals. On the whole the result for the year may be considered very favourable, taking into account the decrease in the traffic in the Orissa and Midnapore canals, which may be considered accidental, the causes being explained under the heads of those canals.

122. The date for the submission of Revenue Reports to the office of the Personal of Chief Engineer is the 15th September. The following statement shows the dates when the different reports were received:-

```
Commissioner's report
                                                                         21st September.
                                                 18th October
                  Superintending Engineer's re-
Orissa Circle ...
                                                                         26th
                                                                               ditto.
                    port
                                                   1st November
                                                                               ditto.
                  Commissioner's report
                                                  14th September
                                                                         Sth
                                             ...
South-Western
                  Superintending Engineer's re-
  Circle
                                                                        26th October.
                                                 23rd
                                                         ditto
                    port
                  Commissioner's report
                                                                        15th September.
                  Superintending Engineer's re-
                                                 17th
                                                         ditto
Sone Circle
```

The reports were very punctual with the exception of that of the Superintending Engineer, South-Western Circle. The Finance and Administrative Accounts of the year 1886-87 were not received from the Examiner until the 3rd September. A good deal of time has had again to be wasted in attempting to eliminate the discrepancies between the returns received through the Commissioners and from the Superintending Engineers and Examiner, though there undoubtedly an improvement in this respect.

> C. W. I. HARRISON, Lieut.-Col., R.E., Officiating Chief Engineer.

IA.

PUBLIC WORKS DEPARTMENT.

STATEMENT OF CANALS IN THE PROVINCE OF BENGAL.

Orizsa Const Canal.		ogh. Rivers Rus- and sulporters der. Subunreka, n d Burrabo- long, and	Tidal Canal for navigation only.	34,45,742	36,02,297
Calcutta and Eustern Counts.		River Hoogh- ly and Soon derd b n n d creeks.	Tidal Canal for navigation only.		(a)
Sarun Canals.		River Gunduck.	5.052 1.084 41:34 61.000 50,000 50,000 30,000	6.63.521	6,96,632
SONR CANALS.	Total,	River Sone.	1.1881. 6.955 40.89 1.728.579 1,350.396 1,016.360	2.78.88.607 13,99,607 29,67,227	3.22,55,531
	Western Main Crimals series.		5,257. October. 22nd, 1883. 1,868, February 16th. 1884. 1,613 4,342 41:52 41:52 1,322,354 1,7 1,033,080 7,07,360 1,0 03,000 7,07,360 1,0	2,78.89,697 13,99.607 29,67,227	3,22,55,531
	Eastern Main Canal series.		1,868, 447, 1,613 41.52 406.155 309,000 309,000	2,78 11. 20.	
Hidgellee Tidal Canal.		Rivers Rup-	Tidal Canal for navigation orly:	17,72.693 41,807 2,17,460	20,34,966
James Grand.		River Cossye.	250 100 1.400 53.60 173,160 125,000	83.16.768 1,84,215 38,60,294	1.23,61,277
ORISSA CANALS.	LefoT .		2.600 400 6.358 63.68 726,337 677,451 677,461	3,13,96,220 9,19,625 1,21,54,723	4,44,70,568
	Веліппіпне Вусиг- дось черіва.	Rivers Brahminee and Byturnee.	6,500 600 170 1,456 63.49 163,200 137,500 44,047	3,13,96,220 9,19,62 5 1,21,54,723	4,44,70,568
	Mahanuddy wries.	River Maha- nuddy.	6,000 2,000 3,902 63.84 663.137 439,951 439,951	3,1	4.4
		Source of supply of water	Minimum discharge of Kharif river—cubic feet per Rabi second (Hot weather Maximum discharge of canal—cubic feet per second Inches Gross area commanded Acres Culturable ditto Acres project Area irrigable at present	Direct charges Bs. Indirect do " Interest during construction "	Total estimate

Expenditure to end of 1836-87— Direct charges Indirect do. Interest during construction		8,26. 6,6 1,19,	3,26,07,780 5,06,863 1,19,45,651	2,25,07,780 5.06,853 1,19,45,651	82,61,992 1,83,576 47,56,636	17,95,439 44,507 2,17,460	2,49,98,067 8,92,745 1,15,21,202	(2,49,98.067 8,92,745 1,15,21,202	6,69.230 27,183	51,64,233 59,051	37,34,760 90,563
Total expenditure		3,40,6	3,10,64,284	3,49,60,284	1,32,02,204	20,57,756	3,74,12,014	11	3,74,12,014	6,96,413	52,23,274	(6)38,24,723
Works as now sanctioned— Main canals, irrigation Branch do. do. Distributaries	Miles "	1384 1074 1,434	3) 1 6 6 288	. 1704 1133 1,7224	53* 19 280}	29* Nil Nil	Nil 357.	1321 1483 1484 8011	25 4 1.1 8 8 8 6 0.1 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8	6 ¹ ₃ Nil 12 ¹ ₃	NII NII	Nil Nil
Of above— Navigable channels	Miles	1593	373	197	72	58	98	132	218	Nil	27	66
Works completed at end of 1886-87— Main canals, irrigation Mil Branch do. do	86-87 — Miles	114 87 6913	 100 100 100 100 100 100 100 100 100	145 87 897 6913	53 19. 283	Nil Nil	Nil 864 357	1324 1484 8014	2181 1484 1,1584	6. 12. Nil	Nil Nil	Nil Nil
Of above— Navigable channels	Miles	139	313	1703	73	29	86 ¹	1221	2181	Nil	2.3	16

(a) There is no general sanctioned estimate for this project.
(b) Includes 18., 8.69,000 expended from Famine Relief Funds.

Includes length of river crossings.

I.

PUBLIC WORKS
STATEMENT SHOWING THE FINANCIAL RESULTS OF IRRIGATION

Realizations under main heads of

					E (ACTUAL		s).	Company of the Compan	Ma Palan Laborator	dente desire la communicación
IRRIGATION WORKS.		Share of land revenue.		Naviga- tion,	Planta- tions and land.	Water- power.	Miscella- nceus,	Total.	Refund of revenue,	Gross revenue less refunds.
1	2	3	4	5	6	7.	8	9	10	11
	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Re.	Rs.	Rs.
Major Irrigation Works. Orissa Project	96,976		96,976	67,04×	1,883	s******	13,702	1,79 611	112	1,79,519
Midnapore Canal	1,08,834		1,08,534	1,09,693	34		15,624	2,34,185	511	2,33,974
Trital Canal				51,904	102		2,308	54, 104	910	58,404
Sone Project	8,26,461	******	8,28,461	54,254	819	668	33,727	9,18,429	15,757	9,02,092
Total	10,32,271	1,1133	10,32,271	2,82,890	2,310	ogs	68,451	13,86,620	16,950	13,69,679
Minor Works and Navigation. Tirhoot Project								30 		
Damoodur Project		*****		• •••••	*****	•••••				
Sarun Project	11,072	7545a	11,072				1,355	12,427		12,427
Orissa Coast Canal	-1		-1	28,587			902	20,488		29,488
Calcutta and Eastern Canals				4,77,199	1,183		5,272	4,83,654	******	4,53,654
Total	11,071		11,071	5,05,786	1,183		. 7,520	5,25,569	<i></i>	5,25,569
GRAND TOTAL	10,43,312		10,43,842	7,88,085	8,528	608	75,980	19,12,108	16,680	19,95,248

C.

DEPARTMENT, BENGAL.

WORKS IN BENGAL FOR THE YEAR ENDING 31st MARCH 1837.

Revenue and Working Expenses.

							WORK	ING EX	PENSES								
	REVE	NUB MA	NAGRURNT.					MA	INTENA	CE OF W	RKS.	Tave:					
	T	blishment	1	Total revenue manage-	Diene	Execu-	ĺ		Works	Repairs.	Sundres	ame	Chant	Total	Indi- rect clurke	Grand total working	Net revenu
Direc-			officers.	ment.	tion.		cal.	Total.				plant.	W.	Bunce		Transfer	
12	13	16	15	18	17	18	19	30	21	23	23	21	25	9;	27	28	29
Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs,	Rs.	Rs.	Rs.	Rs.	Rs.	ks.	Ra.
8,817	31,741	15,471	37,005	93,034	8,817	31,741		40,559		3,50,793		15,486	1,1868	1,68,89	6 18,700	5,20,543	- 3,41,62
3,443	12,396	7,575	24,154	47,568	3,443	12,595	***	15,838		1,36,652		25,003	1,100	1,78,590	8 8,877	2,35,038	-1,06
300	1,078	8,026		4,404	309	1,078		1,378		11,65		1,155	593	17,521	810	22,735	30,75
7,725	27,808	14,535	1,43,660	1,93,728	7,7:5	27,808		85,533		3,03,566	8	27,608	5,191	3,71,698	32,097	5,97,821	3,01,87
20,285	73,023	40,607	2.01,819	3,38,734	20,285	73,023		93,309		8,02,476	8	72,342	8,782	9,76,916	60,487	13,76,137	-6,45e
								: 20000					····				
		.															
587	2,118			2,700	587	2,113		2,700		23,360		-978	121	25,203	756	28,659	-16,232
1,100	3,960	2,183		7,243	1,100	3,960		5,660		13,900		3,432		52,101	1,752	61,426	31,938
1,88¢	9,491	42,714		54,941	2,630	9,402		12,128	5,092	1,02,095		8,347	285	1,28,017	9,376	1,92,264	2,01,390
4,829	15,564	44,807		64,784	4,323	15,565		19,888	5,092	1,69,121		10,801	506	2,05,711	11,854	2,82,349	2.43,220
4,608	88,487	85,504	2,04,819	4,03,518	24,608	88,688		1,13,196	5,092	9,71,990	8	NS,143	9,283	1,82,627	72,341	10,54 488	2,36,76:;

in perfection of revenue.

ID.

PUBLIC WORKS DEPARTMENT, BENGAL.

STATEMENT OF TRAFFIC ON CANALS IN BENGAL DURING THE YEAR 1886-87.

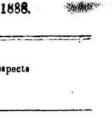
	Orissa Canals.	Midnaporo Canal.	Hidgellee Tidal Canal,	Sone Canals.	Salcutta and Eastern Canals.	Orissa Const Canal.	Total.
Length of canal open for navigation Miles.	170}	7.2	29	2181	27*	91	608
Receipts-Tollage on private boats Rs.	47,943	98,408	51,302	38,990	4,73,049	28,358	7,38,050
" Government boats "	6,877	63	106	2,346		164	9,616
rafts "	3,814	2,583	436	8,32.)	141	65	15,401
Carrying opera- tions or transport services Government boats ,	8,384	** ***	******	4,535			12,919
Fines and Sundries,		8,639	2,500	5.1	10,461	901	22,555
Total receipts	67.018	1,09,693	54.401	54,251	4,83,654	29,488	7,98,541
Maintenance charges, including spe- cial navigation establishment "	31.011	52,952	23,645	33,367	1,92,264	61,426	3,94,698
Net revenue of year ,	36,007	56,741	30,759	20,887	2,91,390	-31,928	4,03,846
Total number of boats plying cargo No.	13,061	18,446	16,277	5,825	91,996	8,254	1,53,859
., passenger ,	1,250	15,06	1,265	683	8,180	870	27,814
Total registered tonnage of boats by canal measurement, cargo Tons	99,792	2,64.867	1,43,921	79,072	23,23,262	69,958	29,80,87
Total registered tonnage of boats by canal measurement, passenger ,	28,606	81,419	5,826	18,632	19,061	4,615	1,58,15
Ton mileage—Up	14,84,818	49,64,879	18,05,416	17,68,896		10,49,436	
Down	13,44,988	27,73,266	11,16,361	31,21.842		5, 60,335	
Total	28,29,806	77,38,145	29,21,777	48,90,738		16,09,771	,
Estimated value of cargoes-Up Rs.	23,76,395	47,01,925	15,10,711	20,69,322	4,65,48,871	7,18,448	5,79,25,67
Down "	17,90,355	48,93,854	15,75,969	40,72,784	64,70,600	4,70,876	1,92,74,43
Total	41,66,750	95,95,779	30,86,680	61,42,106	5,30,19,471	11,89,324	7,72,00,11
Number of passengers-Total No.	71,622	2,08,582	8,569	50.372	51,013	6,110	8,96,26
Rafts, feet × feet × feet-Up C. ft.	49,383	1,43,562	15,989	18,286		10,216	
,, ., ,, Down,	1,68.960	7,897	22,132	31,25,381		854	
Total	2,18,343	1,71,459	38,121	31,43,667		11,070	
Estimated value of rafts-Total Rs.	89,435	1,29.808	62,146	3,23,540	23,199	2,568	6,80,70
Tollage on boats per tou per mile	4.28 pies 1.75 rupees	2.4 pies	3.4 pies	1.6 pies		3.3 pies	

^{*} This length is that of the canals in the immediate neighbourhood of Calcutta.

Rainfall, Weather, and State and Prospects of the Orops.

Statement showing Rainfall, Weather, and State and Prospects of the crops in the different districts of Bengal, as reported to Government during the week ending the 3rd March 1888.

2 1 3 4 3 6 5 7 1 8 8 9 3	Western A Burdwan, Bankoors Beerbhoom Midnapur Hooghly Howrah Central A 24-Perghs. Nuddes Khoolns Jessore Moorshedabad	Mar	3, 3, 3, 3, 5,	'88' '88' '88' '88' '88' '88'	Nil Nil Nil Nil Nil Nil Nil Nil	 Weather—clear and warm. Prospects of crops fair. Rice sold at 21 seers per rupe Weather—seasonable. Mustard and gram are being gethered. Pressing of sugarcane proceeds briskly. Wheat and burley are prospering. Cotton is in pod. No change in the rice market. Weather—seasonable. State and prospects of crops good. Wheat in ear. Sugarcane harvest promises well. Weather—getting hot. Rubbi moderate in most parts elecpt Binpur, where it is bad. Sugarcane, indigo and boro good. Weather—normal. State and prospects of crops good. Weather—seasonable. Sugarcane is being cut, and rubbi crops teaped. Sugarcane is everywhere a 16-anna crop. The outturn of peas, binseed and mustard is good. Weather—bright; cetting warmer daily. Prospects of crops good. Ploughing in progress. Monufacture of sugar still continues. Weather—seasonable. Crops on the ground good; outturn of those harvesteen has been fair.
2 1 3 4 3 6 5 7 1 8 8 9 3	Burdwan, Bankoors Beerbhoom Midnapur Hooghly Howrah Central 1 24-Perghs. Nuddes Khoolns Jessore	Mar 	3, 3, 3, 3, 5, 6, 3, 3, 3, 3, 3, 3, 3, 3, 3, 3, 3, 3, 3,	'88' '88' '88' '88' '88'	Nil Nil Nil Nil Nil Nil Nil	Per rupes. Weather—seasonable. Mustard and gram are being gathered. Pressing of sugarcane proceeds briskly. Wheat and barley are prospering. Cotton is in pod. No change in the rice market. Weather—seasonable. State and prospects of crops good. Wheat in ear. Sugarcane harvest promises well. Weather—getting hot. Rubbi moderate in most parts elect Binpur, where it is bad. Sugarcane, indigo and boro good. Weather—normal. State and prospects of crops good. Weather—seasonable. Sugarcane is being cut, and rubbi crops teaned. Sugarcane is everywhere a 16-anna crop. The outturn of peas, tinseed and mustard is good. Weather—bright; getting warmer daily. Prospects of crops good. Ploughing in progress. Manufacture of sugar still continues. Weather—seasonable. Crops on the ground good; outturn of those harvesteen.
2 1 3 4 3 6 5 7 1 8 8 9 3	Bankoors Beerbhoom Midnapur Hooghly Howrah Central 1 24-Perghs. Nuddes Khoolns		3, 3, 3, 5, 6, 3, 3, 3, 3, 3, 3, 3, 3, 3, 3, 3, 3, 3,	'88' '88' '88' '88' '88'	Nil Nil Nil Nil Nil Nil Nil	Per rupes. Weather—seasonable. Mustard and gram are being gathered. Pressing of sugarcane proceeds briskly. Wheat and barley are prospering. Cotton is in pod. No change in the rice market. Weather—seasonable. State and prospects of crops good. Wheat in ear. Sugarcane harvest promises well. Weather—getting hot. Rubbi moderate in most parts elect Binpur, where it is bad. Sugarcane, indigo and boro good. Weather—normal. State and prospects of crops good. Weather—seasonable. Sugarcane is being cut, and rubbi crops teaned. Sugarcane is everywhere a 16-anna crop. The outturn of peas, tinseed and mustard is good. Weather—bright; getting warmer daily. Prospects of crops good. Ploughing in progress. Manufacture of sugar still continues. Weather—seasonable. Crops on the ground good; outturn of those harvesteen.
66 3 1 1 6 6 3 1 1 1 1 1 1 1 1 1 1 1 1 1	Beerbhoom Midnapur Hooghly Howrah Central 1 24-Perghs. Nuddea Khoolns	" " Distric	3, 3, 3, 5, 6, 3, 3, 3, 3, 3, 3, 3, 3, 3, 3, 3, 3, 3,	'88' '88' '88' '88' '88' '88'	Nil Nil Nil Nil	Weather—seasonable. Mustard and gram are being gathered. Pressing of sugarcane proceeds briskly. Wheat and barley are prospering. Cotton is in pod. No change in the rice market. Weather—seasonable. State and prospects of crops good. Wheat in ear. Sucarcane harvest promises well. Weather—getting hot. Rubbi moderate in most parts except simpur, where it is bad. Sugarcane, indigo and boro good. Weather—normal. State and prospects of crops good. Weather—seasonable. Sugarcane is being cut, and rubbi crops teaped. Sugarcane is everywhere a 16-anna crop. The outturn of peas, binseed and mustard is good. Weather—bright; cetting warmer daily. Prospects of crops good. Ploughing in progress. Manufacture of sugar still continues. Weather—seasonable. Crops on the ground good; outturn of those harvesteen.
66 : 67 : 188 : 199 : 3	Midnapur Hooghly Howrah Central 1 24-Perghs. Nuddea Khoolns	" " Distric	3, 3, 5, 5, 6, 3, 3, 3, 3,	'88 '88 '88	Nil Nil Nil Nil	Weather—seasonable. State and prospects of crops good. Wheat in ear, Sucarcane harvest promises well. Weather—getting hot. Rubbi moderate in most parts except Binpur, where it is had. Sugarcane, indigo and boro good. Weather—normal. State and prospects of crops good. Weather—seasonable—Sugarcane is being cut, and rubbi crops teaped. Sugarcane is everywhere a 16-anna crop. The outturn of peas, binseed and mustard is good. Weather—bright; getting warmer daily. Prospects of crops good. Ploughing in progress. Manufacture of sugar still continues. Weather—seasonable. Crops on the ground good; outturn of those harvesteen
66 : 88 : 1	Gentral A Central A 24-Perghs. Nuddea Khoolns Jessore		3, 5, 5, 6, 3, 3, 3,	'88 '88 '88	Nil Nil Nil	Weather—getting hot. Rubbi moderate in most parts except Binpur, where it is bad. Sugarcane, indigo and boro good. Weather—normal. State and prospects of crops good. Weather—seasonable. Sugarcane is being cut, and rubbi crops tenned. Sugarcane is everywhere a 16-anna crop. The outturn of pear, binseed and mustard is good. Weather—bright; getting warmer daily. Prospects of crops good. Ploughing in progress. Manufacture of sugar still continues. Weather—seasonable. Crops on the ground good; outturn of those harvesteen.
66 37 11 18 18 19 19 19 19 19 19 19 19 19 19 19 19 19	Central I 24-Perghs. Nuddea Khoolns Jessore		5, cts. 6, 3, 3,	'88 '88	Nil Nil	Weather—normal. State and prospects of crops good. Weather—seasonable—Sugarcane is being cut, and rubbi crops teaped. Sugarcane is everywhere a 16-anna crop. The outturn of peas, finsced and mustard is good. Weather—bright; cetting warmer daily. Prospects of crops good. Ploughing in progress. Musufacture of sugar still continues. Weather—seasonable. Crops on the ground good; outturn of those harvestee.
8 1	24-Perghs. Nuddea Khoolns Jessore		6, 3, 3, 3,	'88'	Nil	in progress. Manufacture of sugar still continues. Weather—seasonable. Crops on the ground good; outturn of those harvestee
8 1	Nuddea Khoolns Jessore	Mar	3, 3, 3,	'88'	Nil	in progress. Manufacture of sugar still continues. Weather—seasonable. Crops on the ground good; outturn of those harvestee
8 1	Khoolna Jessore	" "	3, 3,	'88		Weather - seasonable. Crops on the ground good; outturn of those harvestee
9	lessore	" "•	3,	302.0	Nil	
		" ".		00	Nil	Days hot; nights and mornings cool. Cold-weather crops doing well. Nights and mornings still somewhat cold. Lands are being tilled for early
0	Moorshadabad	".	۵,	'88	Nil	crops. Mustard and kalai are being gathered. Pr spects good. Weather—getting warmer. State of rubbi crops good. They are being cut.
					32.5	
1	Dinagepur	Mar.	3,	'88	Nil	Weather—seasonable. Prospects of rubbi and other crops continue satisfactory Lands are being prepared for bhadoi crops. Rice selling at 20 to 26 secre
2	Kajshahye	,,	3,	'88	Nil	Per rupee. Weather - days hot; nights cool. Heavesting of mustard nearly finished
3	Rungpur	,,	3,	'88	Nil	Prospects of bore paddy and spring cross generally good. Weather—days very hot. Prospects of winter crops centinue good. Kain is
	Rogra		3.	'88	Nil	weather—seasonable. State and prospects of crops satisfactory.
5	Pubna	,,		'88 '88	Nil	Weather—cloudy and warmer. State and prospects of crops favourable. Weather—warm. State and prospects of crops good.
7	Julpigorea	"	3,	'88	Nil	Weather - days getting warmer; mornings and nights cool Ploughing for early rice continues. State and prospects of crops good
	Bastern .	Distri	ots.		-	
8	Dacca,	Mar.	3,	'88	Nil	Weather-fine and getting hot. Aus paddy and jute are being sown. State of
9	Furreedpar		8,	'8-	Nil	rubbi crops on the whole good. Weather—still fairly cool in the mornings and evenings. Prospects of crops
0	Backergunge	,,	2,	'88	Nil	weather-now and then cloudy; otherwise seasonable. Prespects of crops
	_	n	2,	'88	Nil	good. Weather—seasonable. State and prospects of crops good.
			€,	1000000		Weather—seasonable. Prospects of standing crops fair. Prices stationary. Weather—variable; warm during the day; cloudy occasionally. Kubbi crops
	(.T.			4000	10-17-0	doing well. Cultivation for aux crop in progress Weather-getting hot; mornings and nights cool. Agricultural prospects are
						as good as can be desired.
15	Tracts.	II Feb.				erops doing well. Jum catting programme are still being cat Sowing
. 1	Hill Tipperah	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	29,	-83	. Nil	of til (oilseeds) and transplanting of boro paddy going on.
	3 7 3 4 5	Pubna Darjeeling Julpigores Bastern Dacca, Furreedpur Backergunge Mymensingh Chittagong Noakholly Tipperah Chittagong Hi	Pubna Darjeeling Julpigoree Bastern District Bacca, Mar. Furreedpur Backergunge Mymensingh Chittagong Mar. Chittagong Hill Feb. Tracts.	Pubna ,, 3, Darjeeling ,, 3, Julpigoree ,, 3, Julpigoree ,, 3, Russen Districts. Bacca, Mar. 3, Furreedpur ,, 3, Backergunge ,, 2, Mymensingh ,, 2. Chittagong Mar. 6, Noskholly ,, 2, Tippersh ,, 1, Chittagong Hill Feb. 28, Tracts.	Pubma , 3, '88 Darjeeling , 3, '88 Darjeeling , 3, '88 Julpigoree , 3, '88 Purseedpur , 3, '88 Backergunge , 2, '88 Mymensingh , 2, '88 Noakholly , 2 '88 Tipperah , 1, '88 Tracts.	Fastern Districts. Bacca, Mar. 3, '88 Nil Darjeeling , 3, '88 Nil Julpigorea , 3, '88 Nil Backergunge , 2, '88 Nil Mymensingh , 2, '88 Nil Unittagong Mar. 6, '88 Nil Noakholly , 2, '88 Nil Tipperah , 1, '88 Nil Chittagong Hill Feb. 28, '88 Nil Tracts.



	No.	District and return		of	8	Rainfall t Sudder tation in inches.	Character of the weather and state and prospects of the crops.
BE	HAR						
	26	Patns	Mar.	. 3,	'88'	Nil	West winds no longer blowing; air sultry. Prospects of rubbi crops generally good. Kerao and masur in the Barh sub-division have been extensively damaged by insects. Mustard, kerao and masur are being harvested. Opens extraction is going on. There is a slight increase in the prices of food-grains.
PATHA DIVE.	27 28	Gya Shahabad			'88' '88'	Nil Nil	Weather seasonable. Rubbi is being harvested, and opium extracted. Weather getting hot, though mornings and evenings continue still pleasantly cool. Harvesting of rubbi crops in progress, and a fair outturn is expected. Fields are being prepared for sugarcane. Opium is being collected; the produce tas not been so good as was expected owing to unfavourable
PAT	29	Durbhunge		3,	'88	Nil	Weather getting warm. Harvesing of mustard and linsed is in progress.
	30	Mozusterpur	"	3,	'88	Nil	Opaum is being collected. Mango is in blossom. Prices stationary. Days bright and warm; nights and mornings cool. Rubbi crops approaching maturity. Mustard being harvested. Prospects of popay fair; collection of opium in full force
	31	Sarut	••	3,	'88	Nil	Weather - clear and getting warm. Harvesting of rubbi in progress; outturn favourable. Indigo sowings commenced. Poppy doing well; opium is being extracted.
	(32	Chumparun	••	3.	'88	Nil	Weather—getting warm and dry with west wind. Prospects of all standing crops good. Opium is being extracted. Kubbi crops ripening
ŗ.	88	Mongnyı	Mar.	3,	'88	Nil	Weather bright and clear; getting warm. Prospects of rubbi and poppy continue tayourable. Indugo sowings in progress in the Beguserai subdivision
RE DIV	34	Ruskuliur	•••	3,	.88	Nil	Weather getting hot, but still cool at night. Prospects of standing crops fair. Lands are being prepared for bhadoi and sugarcane Pens, khesari, masuri, and tisi are being gathered.
BRAGULFORE DIVE.	3.6 3.6	Purnesh Muldan		3, 3	'8· '88'	Nil Nil	Weather—clear and warm. Rubbi crops doing well. Tobacco is being cut. Weather fine, getting worm. Prospects of spring crops good except in the outpost of Tulsihatta, where insects and want of rain have done some domage. Transplantation of boro paddy continues. Common rice selling at an average of 23 seers per rupee.
j	87	Sonthal Perghs.	,,	3,	'88	Nil	Temperature rising with west winds; nights fairly cool. Prospects of rubbi crops good. Boro dhan is being transplanted at Rajmahal.
OR	ISSA.						•
IV.	88	Cuttack	Mar.	2,	'8	Nil	Weather - seasonable; mornings foggy. Ploughing in progress Da'ua rice coming into ear. Common rice sells at 21 seers per rupee in town. Catelo-
ORISSA DI	81	l'ooree	,,	1,	' 5×	Nil	disease has occurred in some places in the interior. Weather seasonable. Lands are being ploughed. Dalua crop is in ear. Rubbi is being gathered. Mango trees are abundantly in fruit. Common rice 24 seers 3 clittacks per rupee in the Sudder sub-division and 23 seers. 8 chittacks in the Kharda sub-division.
	40	Balazore		2,	'84	Nil	Weather seasonable. Prospects of dalua rice favourable. Land is being ploughed.
сп	ΛTΩ	NAGPORE.					
	Sout	h-West Frontier	Agenc	y.	1		
CRUTA NAGPORE DIVE.	41	Huzuriony h.	Mur.	2.	188	Nil	Weather—bright; getting warm. Estimate of average yield of rubbi eight annas. C bection of epium in progress; good outurn expected. Ploughing and planting of dry weather crops in progress. Condition of agricultural stack good, except in places where cattle-disease reported.
GPOI	42	Lonardagge	,,	3,	8	Nil	Weather getting warm. Rubbi is being hurvested. Slight ilse in prices of food-grains reported from Polamow.
V N V	43	Singbroom		2,	'8-	Nil	Weather-cloudy; getting hot The reports of the rubbi crops are good. Sugarcane has yielded well. Cotton expected to give a good outturn.
Cnor	44	Маниноов	";)	8:	Nil	Weather getting warmer. Sugarcane pressing in progress; outturn excellent. Prospects of all spring crops fair.

Published for general information.

CALCUTTA, REVENUE DEPT., The 6th March 1888.

P. NOLAN, Srcy, to the Goot, of Bengal,

STATEMENT SHOWING THE STOCKS OF RICE IN AND AROUND CALCUTTA.

					STOC	STOCK IN HAND AS COMPILED OF	OMPILED OF-						
MANTE OF MANTE.	1st week of Mar. 1887.	1st week of April 1897.	1st week of May 1897.	1st week of June 1887.	1st week of July 1887.	1st week of August 1867.	of Sept. 1887.	ler week of Oct. 1857.	1st week of Nov. 1887.	1st week of Drc 1887.	1st week of Jan. 1888.	1st week of Feb. 18 8.	1st week of Mar. 1689
	Mds.	Mds.	M3s.	, Mds.	Mds.	Mds.	Mds.	Mds.	Mds.	Mds.	Mds.	Mds.	Mds.
Balinghatta	4,73.000	14.01,500	12,67,000	10.35.70	7.61.000	6.72 030	6.51,000	5.13.0.0	4,66,940	8,42 010	3.97.000	7.84.000	8,54,(00
Ooltadanga	61.39"	72,400	64,890	42,610	73.990	53,600	67.00u	66 1100	83.948	20,400	78.000	75,996	87,700
Chitpore, Golabaree. Coomer- toolv, Hatkhois, and Culin- Ghat,	5.82,700	7.47.100	6.59.201	6.15.60	5.85.000	6,17.200	5,39,540	6.11.590	6.12.14#	6,27,800	6.74 80n	4,82,200	6,06,100
Pathuriacharia, Posta, and Jorabagan.	¥004	5,290	5,0911	8.00%	\$,00 .	000'8	9,546	3,000	4.070	2,800	5.046	0.60.♣	3,700
Tallygunge, Chitlah, Kidderpore,	1,89,500	1,79,900	1,56,400	1,26.800	002,11,1	1,67 590	1,67,100	1,03,50	99.400	88,100	1,20,700	1,47,600	1,98,100
SI Minor Baxare (estimated)	2,40.000	2,40.000	2.49,00	2,40,041	1.47 1190		2,40,000	2.40,000	3,40,000	2,46,000	6,40,000	2,40.000	2,40,090
Other retail shops, 3,129 in number (estimated).	2,50,000	2,50,600	2.50,000	2,59,005	2,50,000	9.50,0 0	2.50,000	2,50,0-0	2,56,000	2,50,646	2,59,900	2,50,040	£.50,000
Boidyabatty, Nowabgunge, Bhuddreseur, and Chander- nagore.	5,243	6,142	849'9	577.8	6,430	34,740	51.563	49,739	34,616	21.031	27.629	12,194	712,8
Total	17,55,748	29,01,742	26,49,649	28,29,473	20,30,130	19,77,340	17,95,362	18,36,559	17,66,016	16,44,331	16,93,129	19,05,994	22,48,977
on Rallway transices on both aides of the river. (By Port Com- institute resident re- loaded	17,888 Mar. 1877. Mar. 1877. (181 to 3rd Mar. 1887.) 177,089 (181 to 3rd March 1887.)	9.883 (cm tih April 1887.) (18t to 3rd April 1887.) (18t to 3rd April 1887.)	12.914 fon 445 May 1857.) (1st b - rd May 1857.) (1st to 382 (1st to 382 (1st to 382 May 1857.)	9.454 fon 4th June, '77.) (1st to 'rd June 1857.) (1st to 'rd June 1857.)	(on f) 186 July 57.) July 187.) July 1877.) 24.701 (184 to 384 July 1887.)	(on 45 H (on 45 h August '57) (18t to 854) August 1857.)	18,530 for the September '57,3 (18t to 30,4) September 87,1 (18t to 30,4) (18t to 30,4) (18t to 30,4) September 87,3	(On 100) October 87, 18, 18, 18, 18, 18, 18, 18, 18, 18, 18	7.6.6 Nov. 1887.1 33.645 (18t to 38.1 Nov. 1887.) (18t to 38.1 Nov. 1887.) (18t to 38.1 Nov. 87.1)	4.532 (cm 5th Dec. 1887.) (5.5 to 3rd Dec. 1887.) (184 to 3rd 1rec. 87.)	15.026 January SS.) Sc.565 (on 8rd to 3th January SS.) 1.12.039 (18t to 3rd January SS.)	13.458 (en Sr4 Feb. (88.13) (18t to 3rd Feb. (88.1 2.13.833 (18t to 3rd Feb. 188.83	(on 3rd Mar. 1888) 70.553 (184 to 3rd Marcu 1898.) 1,21,087 (182 to 3rd March 1898.)
Grand Total of Riccks	25,29,619	30.47,537	27,17,307	23,75,550	20.55.357	20.520,008	19,21,318	19,59,367	18,42,468	17.45,646	10,49,659	23.06.916	25,33,453
Probable stock available for executation by sea.	of lakbs	20 lakbs	16‡ lakhs	15k taklas	1ch lakbs	10 lakhs	SE 15khs	6; lakhs	S lakhs	rt lakhs	pl lakhs.	124 lakbe	143 lakbs.

STATISTICAL DRPARTMENT, The 5th March 1888.

Secretary to the Goot, of Hengal.



PRICES-CURRENT (retail) of Food-grains, Firewood and Salt in the

•== 												QUAI	NTITIE	CS PER	RUP	EE IN
		···-	 Гиват.		В	BIRT.		kı	CR, BRST	BORT.	Ric	n, com	MOR.	Jowa (Sorg	R OR O	HOLUX lgare.)
Namher,	DISTRICTS	Present return.	Next preceding return	. orresponding setuin	Present re'nth.	Next preceding results.	orresponding rentu-	Present recura.	Next przeeding jetuin.	Corresponding return	l'resent return.	Nest preceding return.	orresponding return	Present return.	Next preceding reture.	Curresponding return of lest year.
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¥	estern Districts.	e (1)	is Cul	e m	S (1).	s chi	S (1)	S. (1	s Ch	S. Ch.	s. Ch	S. Ch.	18. Ch.	S. Ch.	rs. Ch.	.s. o _b .
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9	Bankoora	13 12	13 8	12 12	18 0	18 0	21 0	19 8	19 8	18 12	20 6	21 6	24 0			
	Feerbloon .			***							-65					
4	Midnapore	15 0	15 0	13 0				23 0	22 0	18 0	21 0	23 0	26 0			
	Hooghly .	14 0	14 0	12 0		•••		10 0	10 0	10 0	17 "	16 0	18 0			
	Howrab	l N	ot availa	ıble.			ا	14 0	14 0	13 0	20 0	20 0	20 0		١	
	entral Districts.															
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e	24-Pergunnaha	16 0	16 0	13 5	22 8	22 8	21 0	8	8 0	8 0	20 0	19 0	18 13			
7	Nudden	16 6	16 0	15 4	32 0	32 0	32 0	14	3 14 8	16 0	18 5	19 4	19 0			
8	Khoolns							21	18 0	17 12	23 0	21 8	21 0			
9	Jeneore	13 4	13 4	16 0				17	18 0	16 0	23 0	22 12	21 8			
10	Moorshadabad	15 0	13 6	15 0				1	16 0		23 0	23 0	23 0			
11	lanagepore	11 0	13 8	11 4	21 0	21 0	22 0	20 (19 5	20 0	23 0	24 4	25 0			
12	Rajehahye	16 8	16 8	18 8	45 0	46 0	45 0	16	16 8	17 4	22 8	21 6	22 8			
18	Rungpore	11 6	13 4	12 12				13	13 4	18 0	20 0	20 0	22 8			
14	Bogts	15 0	17 4	1€ 8				15 (15 o	15 υ	26 4	26 4	26 4			
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16	Darjeeling	10 0	10 0	8 0	11 0	11 0	9 0	5 (5 0	5 0	14 0	12 0	14 0			
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31	Мушеница	14 0	11 0	12 0		, " ,	""	12 8	12 0	12 0		10 6	1/ 6			

**Return not received.

A In sub-divisions retail prices of salt per rupee were:—Culm 10½ seers, Ranesgunge 9½ seers.

At Bish inpore retail price of salt 9½ seers per rupee.

C In sub-divisions retail prices of salt per rupee were:—Ghattal 10½ seers and Tumbook and contai 8 seers.

D In sub-divisions retail prices of salt per rupee were:—Serampore 10 seers, and Johannbad 9½ seers.

D1 At intrackpore retail prices of salt 9½ seers per rupee.

E In sub-divisions retail prices of salt per rupee were:—Kooshtea and Ranaghat 10 seers, Moherpore 11 seers, and Choosdang**

10½ seers. In sub-divisions retail prices of salt per rupes were:—Satkhira 9 seers 21 cluttacts and Bagirhet 8 seers.

In sub-divisions retail prices of salt per rupes were:—Jhenidah and Magura 9 seers, Name 75 seers, and Bongara 25 seers.

Head-quarter station Bazars of the Districts of Bengal on the 29th February 1888.

+													MAUND SEERS.		
	MAIZE		CA	AR OR	THUB RA. licus.)		FIRB	roop.		SALT.	,		SALT.		
Present return.	Next preceding return	Corresponding return. of last year.	Present return.	Next preceding reture	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding recurs.	Corresponding eturn of last year.	DISTRICTS

BENGAL. Western Districts. |S. Ch.|S. Ch.|Re. A. P.|Re. A. P.|Re. A. P.|Re. 3 14 0 3 8 0 24 0 23 0 22 6 120 0 120 0 120 0 9 122 11 2 3 9 0 3 9 0 8 3 0 Bankoors. 320 0 320 0 280 0 11 0 12 8 20 0 20 0 22 8 40 0 84 0 13 0 12 12 4 4 0 3 0 0 3 1 0 Midnapore. 13 0 13 0 18 0 120 0 120 0 155 0 ... 13 0 13 0 14 8 120 0 120 0 120 0 8 8 10 8 13 0 4 8 0 12 8 12 8 14 0 100 0 100 0 90 0 9 2 10 11 12 0 4 0 0 8 8 0 8 2 0 Howrah.

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^{*}G2 In sub-divisions retail prices of salt per rupes were:—Kandi and Lalbagh 11 seers, and Raghunathgungo 104 seers.

In sub-divisions retail prices of salt per rupes were:—Nattore 94 seers and Bongong 8 seers.

At Gaibanda retail price of salt 7 seers per rupes.

At Garajgunge retail price of salt 84 seers per rupes.

At Barajgunge retail prices of salt 85 seers per rupes.

At Fallacotts in Alipore sub-division retail price of salt 8 seers per rupes.

In sub-divisions retail prices of salt per rupes were:—Manickgunge 8 seers, Moonsheegunge 10 seers, and Naraingunge 9 seers.

In sub-divisions retail prices of salt per rupes were:—Patuakhali 8 seers, Perozepore 9 seers.

In sub-divisions retail prices of salt per rupes were:—Kishoregunge 8 seers, Attea 10 seers, Netrekona 9 seers.

PRICES-CURRENT (retail) of Food-grains, Firewood and Salt in the Head-quarter

							QUANTIT	IES PER RUPEE IN
		-913	WHRAT	1	BARLEY.	RICH, HEST SORT.	Rich, common.	JOWAL OR CHOLUM. (Sorghum Pulgare.)
Number.	DISTRICTS.	Present : et aru.	Next p. eceding relation	Corresponding return of hast year. Present return.	Next preceding return.	Present return. Sext preceding return. Corresponding return.	Next preceding return. Corresponding return of last year.	Present return. Next preceding return. Corresponding return of iast year.
R	stern Districts-c	ncluded,						,
	1. 1	S. Ch.	S. Ch. S	Ch. S. Ch	S. Ch. S. Ch.	8. Ch. S. Ch. S. Ch.	S. Ch S. Ch S. Ch	8. Ch. 8. Ch. 8. Ch.
12,	Chittagong	11 0	11 0 1	6 n		14 0 12 8 13 0	20 0 10 0 19 0	
23	Noakholly					20 0 20 0 20 0	22 0 23 0 23 0	
24	Tipperah	13 8	13 8 1	1 10		17 8 17 8 16 8	25 0 25 0 20 11	.
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97	Gya	14 0	13 0 1	4 0 19 0	26 0 26 0	10 0 10 0 11 8	18 0 8 0 9 0	
28	Shahabad .	13 0	13 8 1	3 4 22 0	23 8 27 0	9 8 11 8 10 0	17 14 17 0 20 8	22 8 23 0
29	Durbhungs	14 9	14 8 1	8 0 20 4	30 0 00 0	13 0 15 8 13 0	20 0 20 12 30 0	
8:,	Mosufferpore	13 0	12 6 1	7 0 2 0	30 0 30 0	12 0 1z 0 i2 0	29 0 19 0 22 0	
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28	Moughyr	- 1			1	i i i		" "
84	Shagulpore	15 2	13 11 1	5 12 15 4	25 4 33 5 1	18 6 16 6 18 15	18 15 20 3 21 7	
85	Purnesh	14 0	18 0 20	0 24 0	33 0 2	3) 0 20 11 20 0 2	22 0 22 0 22 0	
36	Muldah .	17 0	18 0 13	0	1	3 0 13 0 20 0 2	3 0 22 0 25 0	
87	Southal Peraha.	11 4	11 4 11	0	1	0 8 15 0 16 0 2	2 0 22 0 26 0	
6	ORISSA.	15 10	15 10 1 10					8 1
38	Cuttack	15 12	15 12 13	2		0 8 10 8 10 8 2	1 0 21 0 18 8	- - -
89	Pooree .	14 7	14 7 9	3	1	4 7 15 12 17 1 2	3 10 23 10 26 4	
1	CHOTA NAGPO		i.	0 13 0 1	3 0 13 0 1	6 0 15 0 18 0 2	6 0 24 0 24 0	- - -
	uth-Western Front. Hazar osagh	is v		0 23 0 1	8 0 2 1 0	9 0 9 0 10 0 1	6 0 16 0 20 0	
2	Loharnugga	14 0	12 0 19	o	18 0 10	8 0 16 8 19 11	9 8 21 0 24 0	
1				î j	1 1	B 0 14 0 28 0 2		" "
1								* -
	Manbhoon	11 0	11 0 10	0 33 6 3	. 0 30 0 14	1 0 14 0 18 0 2	0 22 0 29 0	

[.] Keturn not received.

Published for general information.

^{*} Return not received.

O At Cox's Bazar rotail price of salt 11 seers per rupee.

At lanchgach a in Petrny sub-division retain price of salt 7 seers per rupee.

Q At Aurangabad rotail price of salt \$2 seers per rupee.

In sub-divisions retail prices of salt per rupee were:—Buxar 10 seers, Esseram 102 seers, and Bhabugh 11 asar.

At Madhubam retail price of salt 10 seers per rupee.

T in sub-divisions retail prices of salt per rupee were:—Sectamarkee 10 seers, and Hajipore 104 seers.

Station Bazars of the Districts of Bengal on the 29th February 1888 -(concluded.)

	No.	CO.	ALCON .				e de la composição de l								٠									P	[O]	M A	AL UN EEI	4D	OI	ICI	ES 0	
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U La sub-divisions retail prices of salt per rupes were:—Beguserai 9 seers, and Janui 9½ seers.
V In sub-divisions retail prices of salt per rupes were:—Banks 10 seers, Mudchpoora 8 seers and Scopped C see. 9.
W At Bandruck retail price of salt 8 seers per rupes.

ivindance retail price of salt 11 seers per rupes.

PRICES-CURRENT (wholesale) of Food-grains, Firewood, a

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CALCUTIA,

The 6th March 1888.

undermentioned Marts of Bengal on the 29th February 1888.

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Sarajgunge.	0	1	3	0	5 (3	0	12	4														•••			••											0	14	1	U	8	2	0	4	2
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Narainguni	0	2	3		•		0	8	4	0	в	0				ti	8	0	7			2000000			o	8	2		•••						•••		0	1	2				0	4	2
Chittagong	0	0	3	0	3	3	0	3	4	0	8	0	0	5	0	0	Б	0	0	12	3	0	4	4	"	8	4		•		- 1	•••					0	4	8	0	8	3	0	10	3
Patne.	6	1	3	0	8	3	o	12	3	0	8	0	0	5	0	6	6	0	0	5	1	в	14	1	0	12	1	9	4	1	0	7	1	0	7	1	6	в	ı	6	14	3	0	13	1
Balasore.	0	10	3 1	0	1	4	0	8	4	0	5	0	0	4	0	0	4	U	O	2	3	U	4	3	U	8	8				7	ě					0	7	2	U	4	9	0	8	2
l'ouree.	0	10	2 1	6	8	3	0	8	3											•	1		•			ė			•						÷			••							
Cuttack.	0	12	2 1	U	0	4	6	0	4	0	8	0	0	8	U	υ	8	U		•		υ	υ	2	U	υ	2									,	0	0	2	0	ala:	(k	0	11	1

Published for general information

P. Nolan, Secy. to the Govt of Bengal.

I .- Table showing the Monthly and Annual Rainfall at 250 Rainfall-recording Stations in Bengal for 1887.

District.	STATION.	January.	February.	March.	April.	Уау.	June.	July.	August.	September.	9etober.	November.	December.	TOTAL.
ORISSA.	Pooree	0°28 0°07 0°67	=	0°20 0°27 1°51 0°20	0:28 1:44 N:1	2°45 2°82 2°91 13°34 6°20	1'81 4'88 6'05 2'19 3'38	6'30 13'30 10'04 11'97 4'51	8:07 7:03 12:80 10:82 5:06 12:05	7:48 5:14 3:13 10:50 8:03 9:10	6 20 6 16 4 92 12 61 2 80 2 25	2.00 0.74 0.40 4.45 0.79		34'88 40'59 . 40'25 68'49 30'06
OUTTACK	Jagatsingpore Banki Cuttack Kendrapara Jajpore Dharmzalla Salepore	0 70 0 60 0 51 0 35 0 07 0 10		1°30 1°78 1°83 0°58 2°64 2°14 0°50	0°50 0°40 0°90 1°00 0°30 0°57 0°95	673 274 4738 7703 10748 6795 3782	8'09 8'55 15'23 11'15 8'00 7'22 12'05	7'89 12'43 11'70 15'08 14'00 11'45 12'11	7:08 10:57 10:56 8:16 8:51 4:81 7:79	6:99 5:21 7:14 8:77 5:19 11:64	1.04 3.05 0.08 3.62 2.47 2.11 3.10	0.95 0.21 0.25 1.28 0.12 -		85:57 45:41 53:57 57:18 52:36 47:07 52:28
BALASORB {	Chandbali Bladdruck Soral Balasore Jeliasore Baripodah	0.70 0.40 0.36 Nil 0.25 0.66	11111	0°10 4°26 3°98 0°84 2°42 1°67	0°13 3°65 0°96 0°67 1°66 1°17	13:55 11:33 8:94 11:85 2:70 6:02	1°35 4 73 6°82 4°98 4°57 5°68	7:58 10:85 9:71 12:89 15:04 15:81	5 96 12 00 8 98 10 30 7 70 8 72	5°35 4°54 5°31 5°48 6 47 8°71	5°95 1°78 0°98 4°40 2°96 2°73	0.50 0.10 0.02 0.16 0.15 0.15	=	41°17 53°58 46°09 51°51 43°89 49°36
SOUTH-WEST BENGAL.												s		
MIDSAPORB	Contai Snow r Island Tumlook Midnapere Ghartai Kukrahatty Heria Bhagwanpere Garbetta	0.06 1.e1 0.40 0.98 0.86 0.69 Nil 0.14		2 42 9 25 0 99 2 65 4 15 5 30 7 7 1 31	0.92 1.51 0.96 2.24 1.14 0.56 0.84 0.95 2.96	378 3791 4140 6769 6770 4793 4790 280 4782	7:51 8:68 9:50 5:90 10:06 5:26 8:54 6:35 3:25	13'64 19'91 20'50 16'30 16'93 20'57 13'87 16'64 13'64	10'98 11 97 9310 11 13 12 10 9'85 7'85 6'56 17 03	9:43 13:44 7:40 5:04 8:48 10:69 4:23 8:17 8:75	3°87 9°60 9°70 3°19 2°80 2°67 2°59 1°19 1°33	0°25 3°79 0°14 — 0°42 —		52:86 76:06 53:80 54:41 63:56 58:61 43:39 43:60 53:66
24-PREGUN- NAUS.	Diamond Harbour	1°14 0°72 1°46 1°05 1°31 2°17 0°36	1111111	2°16 1°81 8°60 3'75 3°90 4°45 8°56	1°05 0°08 0°05 1°15 0°00 1°25 0°87	8185 6145 6149 7 44 9151 5112 4 58	6704 9 79 6776 6707 7766 5771 11746	20°21 11°73 18°01 15°05 10°09 11°54 12°10	10 00 10 83 11 11 9 16 8 40 8 17 11 71	13/49 8/09 9/52 6/31 6/06 6/80 7/35	2:23 5:00 2:81 2:49 6:01 4:63 5:74	0.20 0.20		61:16 53:68 40:67 51:47 52:54 47:84 58:12
HOWBAH	Howrah Monesreka (Oolooberiah)	1.18	Ξ	3.11	0.41	7:71 3:83	4.81	13°96 16°83	11.6 26.9	9.60 5.11	2°21 0°83	0.02	Ξ	48'04 44'67
HOOGHLY	Serampore	0°64 0°56 0°32	Ξ	5°45 3°85 0°66	1°33 1°84 3°52	6:53 4:28 5:81	4 46 13:75 4:36	12:00 11:84 9:61	7162 5195 9166	6 34 3/80 5/62	2.34 1.13 1.13	0.07	Ξ	45.68 48.60 40.28
DURDWAN	Calno Rurdwan Cutwa Roneegunge Mankur	034 039 129 131 076	=	8:20 4:73 4:44 - 0:97	1/54 1/27 1/48 1/89 2/36	7°23 10°04 14°12 6°29 5°50	5'08 2'95 11'80 6 63 7'15	11:00 12:22 15:18 12:80 11:01	5:98 11:49 8:04 14:23 12:77	6°76 8'94 4'25 5'67 4'63	1°66 1°55 2°19 1°05 3°15	0.00 0.00 0.00	=======================================	43°48 53°99 63°59 50°36 48°48
BANKOORA	Bankoora Itshenpore Maliara Khatra Indes Kotalpur Anda Gangajalghati Raipore Sonamukhi	0°58 0°25 1°35 0°78 0°92 0°35 0°80 1°06 0°12 1°30	0.05	0°66 1°41 0°26 4°67 1°36 0°62 0°90 — 3 16 1°08	2:45 1:97 1:18 9:29 1:85 2:50 1:80 1:25 1:27	4°27 6°13 7°14 8°70 6°77 4°05 1°45 5°90 7°42 3°89	6°28 7°78 5°68 13°10 4°14 6°19 3°10 8°83 7°15 4°90	15/12 14/02 18/04 18/13 7/26 8/59 12/35 15/52 9/81 11/22	15:57 19:72 14:65 15:21 11:52 15:66 14:87 19:68 21:27 8:98	3.54 7.72 8.77 5.71 11.89 7.36 6.82 4.24 5.39 4.93	1'40 1'35 0'94 1'45 1 45 2'94 0'45 0'27 3'12 1'69			47:87 59:66 58:01 60:42 47:16 48:27 42:54 51:77 58:71 89:25
Виневноом	Bh Scory Hetanpore	1:45 1:65 2:15 0:83	1111	2°40 1°89 3°71 0°87	1.64 1.77 2.82 1.33	10°68 6°46 10°57 4°67	7:17 5:79 9:32 6:43	12128 16136 10168 15133	9:63 11:83 6:72 6:71	8:32 7:07 7:35 4:31	3°80 3°63 2.54 5°46		=======================================	56'89 57'35 55'86 45'94
AEGGON	Ranaghat Kishnaghur Choordanga Meherpore Kooshtea	0°81 0°68 0°68 0°55 1°12	- 0:20 -	8°58 4°41 4°96 6°05 5°82	1°23 1°13 1°68 1°74 0°52	5.89 16.83 7.08 15.21 7.46	6°83 8°53 5°32 5°97 7°01	8:09 8:07 9:44 7:53 6:79	7:45 4:60 8:50 12:42 8:02	10°45 10°38 19°47 10°05	2°10 4°75 4°41 2°62 4°32	0.00 	=======================================	46:43 52:28 51:04 60:68 51:80
KHOOLWA	Satkhira Fagirhat Khoolna	1.45 1.89 1.00	=	4°18 3°73 5°31	0.32	7:04 7:98 8:67	7:39 10:79 13:46	12:78 14:68 7:69	12:26 8:55 7:50	6.68 6.88 6.05	5'90 6'59 3'29	2.02 0.52	Ξ	57:20 63:11 57:20
Jessone	Narail Jessore Jhendah Magotin Bongong	0:97 1:68 0:80 0:47	0.27	2:70 3:69 2:37 5:98 5:82	0°25 0°37 0°75 1°33 0°54	3'59 8'24 4'96 3'99 2'19	6:00 9:78 10:36 10:32 9:54	4:09 6:16 6:57 6:16 8:89	6°14 7°27 7°01 4°79 10°24	3°89 11°84 6'74 3'78 18'78	1°56 2°98 7°56 8°86 6°41	6:06 6:13 6:03 Nil	===	80.69 51.49 48.00 40.71 62.41
Moorsheda-	Kandi Berhampore Lalbagh Azmyonge Jungpere Lalgola 4khriyanj	1.97 1.82 1.95 2.19 1.33 1.39 2.03	0.02 - - -	4.51 5.00 3.93 3.53 1.74 2.39 2.94	1°22 0°87 0°25 0°58 0°60 1°11 0°45	7:98 0:23 12:20 10:14 13:30 13:77 10:72	13:18 8:95 9:44 10:32 11:70 18:59 12:08 4:65	11:08 12:40 14:12 14:74 13:74 11:57 11:34 11:18	7:14 10:34 *14:42 10:70 11:81 9:54 8:38 7:40	6:54 9:80 12:13 12:37 12:35 11:17 6:06	2.75 7.23 7.67 2.86 0.70 1.37 1.72	0.80 - - -	111111	56'37 65'58 76'91 67'78 67'87 70'90 58'68
BAST BENGAL		egopes		1140	440					10/04				الفيضو
CUITTAGONG	Cox's Bazar	2:46 2:14 3:26 1:74	0.75	1.49 6.50 8.28 6.60	1111	7°93 6°33 8°76 6°36	19:20 15:69 14:47 12:88	\$9°18 23°15 21°90 21°27	28'01 17'58 -18'94 18'06	10°94 6'85 0'65 8'19	5.20 4.11 3.00 5.06	13:14 4:38 8:52 4:75	=	127-85 RP-48 88:87 77 91
CHITTAGONG (Rangamati	2°97 1°95	-	7'44 8'99	=	9:32 5:68	15:04 15:28	10.79 11.32	12:91 12:08	13.25 0.50	1.88	8:45 4:05	_	80 10 68 53
BACKBROUNGE	Patuskhally	4·11 8·31 2·20 1·55 1·58 2·24	0·11 0·71 0·71	2:80 8:27 3:89 4:86 4:17 3:59	0·15 2·48 0·40 1·28 0·08	6:94 9:81 9:10 6:46 8:06 5:67	9:80 9:26 9:04 9:27 10:62 10:68	19:25 19:86 14:95 17:15 10:66 18:76	18:27 9:97 8:07 10:44 9:21 15:68	16'80 7'86 11'76 9'84 4'89	2:41 4:91 6:04 6:23 3:52 3:54	8-87 4-88 8-04 5-32 1:80 2-36	11111	

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DISTRICT.	STATION.	January.	February.	March.	April.	May.	June.	Ju'y.	Angust.	Septomber.	October,	November	December.	TOIAL.
BAST BENGAL —concluded.														
NOAKHOLLY	Noakholly Fenny Harishpore Ramganj	2.54 3.00 2.12 1.67	1°29 0°80 0°40	6°15 15°09 4°29 5°87	0°24 0°53 0°55 0°86	8°55 8°77 16°28 8°13	12:96 17:32 13:51 14:50	20°20 11°57 20°52 17°94	22169 21116 11101 10182	8°50 8°59 10°02 ± 7°95	2:38 7:17 10:44 6:25	5702 4-62 1740 2783	Ξ	90°52 97°78 94°87 77°21
FURREEDPORE {	Madaripore Furrecdpore Goalundo	1:10 1:07 0:90	= -	4°17 3°95 5°96	0.38	5.10 5.80 4.00	12°87 10°26 10°33	6°13 8°97 7°39	4'96 8'00 8'92	5°38 4°07 1°94	3°11 4°93 5°04	0°73 0°34 0°15	=	43.55 47.86 47.92
DACCA {	Monshikungo Dacca Naraingungo Munickgungo Joydebpore	0°81 0°60 1°05 0°88 1°61	0:39	4°81 3°90 4°13 5°65 6°66	1°11 2°33 1°17 1°44 2°66	6125 6136 4162 4169 5196	12:95 8:40 10:41 7:82 14:78	9°87 14°74 11°53 8°57 14°62	6.52 9.12 7.20 8.61 12.49	3°25 5 49 4°38 3°93 2°46	4°21 4°36 5°84 3 67 4°42	1°25 1°11 1°18 (°79 0°37	1111	51:42 56:71 51:77 46:08 66:03
TIPPERAH	Agartola Comilla Chandpore Brahmunberia Ranachandrapore Nasirnagar Daudkandi Laksham	1.68 1.50 1.30 1.36 1.21 6.79 0.61 1.45 1.52	0°20 0°25 0°48	7:57 7:49 4:20 7:31 6:29 9:39 3:17 4:13 1:96	4°87 0°80 1°40 0°81 0°52 0°10 —	8'26 4'55 6 20 8'21 5 85 4'89 8'02 3'96 4'40	13:26 15:68 8:93 14:47 12:50 16:76 16:45 15:03 6:86	8/16 7/70 10/36 4/82 8/77 6/26 10/34 6/88 2/06	11°84 14°41 9°95 11°94 6°24 4°84 6°89 12°82 9°08	4754 378 271 3752 457 3793 378 378 370 3757	3'05 5'09 4'23 2'77 2'60 3'90 3'08 2'69 6'22	1°14 6°92 6°95 1°16 1°16 0°25 0°90 1°25 1°72	111111111	64:32 61:92 50:42 56:91 49:98 80:91 47:72 51:91 37:39
MYMENSINGH	Kishoregunge Atia (Tangail) Mymensingh Jamahore Netrokona Suharnakhally Durgapore Dewanganj	1°37 1°56 0°92 1°18 0°46 1°42 1°72 0°69		3°81 4°10 7°13 2°42 6°10 7°03 4°33 3°01	3/18 1/28 1/60 4/47 2/50 1/60 4/53 8/52	5°27 3°19 8°39 7°84 5°78 5°40 1°00 11°47	2473 15114 2861 28725 28 12 17756 43786 34714	9:61 8:34 10:89 8:37 11:79 8:60 21:20 5:50	8°54 8°18 8°09 10°33 11°55 5 96 20°48 8°64	6'82 3'01 11 41 10'93 14'22 10 73 21 50 15'61	411 4 °7 614 420 619 486 330 517	0°17 0°15 — — —	1111111	67-91 49-02 83-93 73-73 87-01 63-25 133-52 88-55
NORTH BENGAL.	Puhna	1*.7	-	6.93	1:26	\$103	5.15	10:91	6:82	9108	3728	_	_	48:20
PUBNA {	Sherepere	131	-	4°76 5°61	1.02	7°45 6°66	20°95 17°32	5:78	6:07 3:95	8/89 11/41 11/39	5°03 3°81 6°11	0.00	=	61°84 56°05
BOGRA	Rogra	1791 1718 1711	=	5°19 4°13 1°52	0°72 0°21 —	5/62 10/15 13/07	21 22 21 75 15 10	9°07 12°34 10°78	6°27 5°51 12°40	10:39	3°01 4°31	-	=	66 83 72 87 70 64
RAJSHAHYR	Benulenh	1°20 1°78 1°82 2 11 0 87	1111	278 378 538 549 103	0 61 0 89 0 71 — 0 85	8 94 6 79 10 24 7 69 10 10	9 75 8 47 16560 3536 1474	8°68 8°10 7°19 6°26 12°63	8:36 13:11 1::52 5:18 13:64	11/95 8/62 13/31 8/66 12/52	4 92 2 17 4 97 3 18 1 85	0.30 0.13		57*19 53*70 69*85 40*48 68*20
Маллан	(Maldah	114 119 119 217	-	0°83 0°40 0°64 1°88	2°12 0 5 × 0°12 1°20	12:57 7:08 10:09 11:55	11°37 12°95 15°20 10°26	8:06 6:50 8:00 9:92	4°76 7°24 8°90 9°40	12:53 5:50 7:59 9:68	1153 3 65 2 50 3 62	=	=	55°29 55°29 59°48
DINAGEPORE	Molndebpore Churamon Raigunge Dinngepore Baloorghat	1:91 1:98 2:15 1:41 1:45		2 17 0794 2 05 2 09 1 08	0°75 0°68 0°49 0°87 0°24	15°77 16 67 11°91 26°3° 12°32	12:35 20:2 . 21:23 23:38 16:01	8.61	10°08 7 79 11°36 21°78 10°23	12 17 6 19 7 11 11:16 11:12	8:13 5:99 6:91 4:94 3:21	=	=	69:15 64:03 75:06 95:56 64:20
	Bhawanigunge (Gyaban-	1:03	_	271 215	4 70 4 91	13'16	26°43	(3)(320)	4°85	13°85 10.76	5791 3770	-	-	78'48 93'19
RUNGPORE	Rungpore Kurigram Bagd-gra (Nilphamari) Ulipore	2:75 2:75 1:03	-	8:55 1:93 1:55	14.48 0.61 8.15 2.86	18761 277 1955 2279	37:91 40:90 23:20 37:42	5 68 10 10 771	16:36 12:91 6:76 31:03	10:39 11:61 13:36 21:11	1 49 3091 271 1009	=	-	98-79 198-92 73-71 137-31
Julyigoben	Alipare Door Fullgratta Debigung	1°83 1°45 1°76	0.50	1·52 2·24 1·11	8:48 4:66 8:88	21.87	47:88 44:66 52:20	14°40 1489	27-10 38:79 21:72	28/57 50/38 18/57	5°58 1 d8 3°49	Ξ	=	15823 15409 10807
Сооси Винав	Dinhatta	1°49 1°45 1°43 1°49	0·15	2°14 4°56 3°70 1°94	7:28 4:50 5:32 0:27		37:80 54:25 33:01 42:19	13:54	21:24 21:31 35:36 27:99	15:95 17:52 28:58 19:10	1:49 2:48 1:78 2:50	=	=	117 82 137 70 136 85 132 26
Dibjeeling Hill.	Ruxa	4°57 1°99 1 35	0.00 0.00 0.04 0.04	4°81 1°50 2°54 1°14	7199 4153 5185 6122	29:80 29:80	26:29 82:12 22:27 18:60		50°72 20°35 28°90 19°07	29 63 1637 1781 945	5128 7189 3045 3127	0°03 0°26	-	199798 171707 135764 192759
NORTH BEHAR.	Kissengungo	3°62 3°10 3°26	=	0.23	0.10	9°82 20 95 16°21	19 91 13 12	7:25 8:26	21:56 17 40	13765 9737	4°13 5'48	111		91°38 72°26 71°39
PURNBAU	Purnesh	2°57 2 55 1°81 1°98 1°42	= = = = = = = = = = = = = = = = = = = =	0.63 9 0.57 0.34 2.18	1:48 9 9 1:07 1:28	22:71 15:02 10:13 ?	20°05 10°30 16°28	7:14 5:66 5:50 8:01 6:55	11:11 10:08 12:07 21:76 24:48	7137 7153 10154 96195 14130	3 65 3 86 3 24 4 25 5 55	=	1111	20 682 60°43 84 79 73°049
NORTH RHA-	Muddapore	2.03 1.06 9.45	=	0:57 1:03 0:01	0.88 5.63 5.09	12:58 0:10 9:93	8:06 12:31 11:56	5°10 4°74 6°32	9°82 19°39 28°89	14°67 4°°4 6°26	2-40 4-67 5-38	Ξ	-	57:88 60:13 78:79
Dorrenga	Tajpore	2:01 1:74 2:38 1:55 1:74	11111	0.12 0.08 	0°32 0°95 0°79 1°64 0°45	7 28 7 38 5 57 5 11 9 24	11 69 12 74 13 05 13 35 6 43	6:89 10:7: 8:86 9:79 10:70	8 86 14:84 18:81 16:32 9:00	4:21 5:50 5:30 6:16 3:50	2:47 3:19 4:17 1:57 1:56	=		43°85 67°13 58°88 56°12 44°76
MOSUFFER-	Sitamsrh	1'40 1 55 2'15 1'10 1'87	=======================================	1.08 0.81 0.06 0.22 0.21	1°20 0°42 0°08 0°52	3.65 6.05 10.5 9.61 7.72 4.50	15:87 11:27 6:07 6:70 3:05 8:75	6:39 6:71 8:60 7:26 5:52 3:92	19 63 16 72 5 69 9 96 9 90 14 31	7:85 5:16 3:36 5:27 5:69 7:57	7:30 3:35 3:10 3:87 3:76 5:55		=	64 37 46 34 40 22 44 61 36 22 47 15
Control Feature	Siukar Pupri Motihari Bestiali Bagaka Burhurua	1.50 2.15 1.20 1.07 1.35 1.70	=	0.80 1.52 0.63 0.05 0.81 0.12	0.82 0.82 0.82 0.48 0.78	2.79 2.28 2.31 2.80	10°64 16°49 8 86 13°80 9°79	4.55 6.65 7.88 10.13 6.67	11:79 7:45 14:59 7:61	5°00 11°65 6°03 6°45 4°15	7:21 7:37 13:17 6:03	=	-	45°65 61°50 41°78 63°12 39°69

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DISTRICT	STATION.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	TOTAL.
NORTH BRHAR-concld.		1:80	_	0:28	0:47	8:11	6.61	8:35	0.83	0.07	5.23	_	_	45.07
BARUN {	Gopalgunge Sewan Chuprah	1.98	Ξ	0.30	0°15 0 63	3·38 7·39	7'49 5'28	11.40 2.18	10°87 6°95	6 02 2 88	4.52	=	=	41.64
BUHAR.							•							00.44
SHAHABAD	Buxar Debree Bhubocah Sasseram Arrab Mohaniah	1.78 1.56 1.27 1.96 1.50 0.63	= = =	0.61 0.32 0.22 0.65 1.12	0°53 0°65 1°21 0°11	5.74 5.81 3.18 4.75 10.42	3.71 6.05 3.02 2.65 4.88	6°56 9°85 10°47 4°63 7°29 7 00	7°50 7°84 14 40 15°16 5°93 12°50	5:31 5:71 4:81 3:82 5:96 4:90	4.71 2.62 4.95 4.43 5.80 3.20	=======================================		\$6.48 40.41 42.92 \$8.46 45.10 28.23
бта %	Aurungabad Gya Nowada Jehannbad Arwal Inaulnagar Sherrahati Rajanii Pakri Farawan	1.59 1.36 1.75 1.65 1.61 0.95 2.40 2.50 2.01	111111111	0.54 0°35 0°93 1°63 0°64 0°25 0°75 0°90 0.87	0°69 0°30 0°30 0°64 0°78 0°20 —	8:47 4:25 2:82 5:72 7:50 6:20 5:58 4:52 1:68	2:58 6:65 4:67 4:40 3:80 5:12 3:75 1:10 2:55	7 81 10/34 11/80 10/97 10/20 5/90 9/92 7/84 4/34	7'19 10'89 9'59 9'51 8'96 5'33 9'43 10'67 6'28	9:33 9:27 4:57 6:31 4:28 2:77 6:20 4:00 5:97	0.08 0.78 1.67 8.62 4.60 2.40 0.87 0.20 0.60			82·18 44·14 58·69 48·83 42·21 29·21 58·90 32·13 24·30
PATNA	Patna Ilinapore Behar Barrh Bickram Hitsa	1:45 2:05 3:04 1:55 1:00 1:35		0°56 0°56 2°06 1°10 0°60 1°60	0°13 0°20 0°48 0°20 - 0°46	9:61 9:24 5:08 7:15 10:10	6:29 6:08 4:57 8:87 8:50 6:85	8:64 9:37 8:39 8:09 6:85 11:53	5°25 6°11 10°08 6°00 6°65 5°33	8°51 3 93 6°27 7°35 2 95 2°85	3:20 2:83 1:16 3:30 9:70 8:38	=======================================		38'64 40'37 40'08 38'61 41'85 36'97
MOBGHYR	Beegooserai	3 09 2:87 2:39 3:15 1:80	= = =	0.64 0.64 2.35 	0°62 1°26 0°54 0°65 —	4:62 9:12 11:28 5:76 4:90	6:75 6 01 5:44 6:80 8:40	10.70 13:08 9:76 5:50	12:01 6:97 10:59 1:05? 5:31	9:59 6:97 6:45 10:76 7:02	2:51 8:64 2:07 0:60 2:05	=	=	55.03 52.627 45.35 87.11 39.68 46.07
BOTTH BHA- {	Banka Kolpony	3°23 1°74 2°03	=	0°92 1°47 0°85	0.97 0:34 2:15	7:80 9:21 11:72	9°98 6°63 13°14	10°77 6°21 8°46	6.72 8 81 6.76	5:40 6:48 5:75	1.28 2.84 0.87	Ξ	ΙΞ	43.83 49.73
BONTHAL PER-	Rajmehal tooda Pakour Nya Doomka Deoghur Jamtara Simra Amihat	1.12 1.63 1.16 1.93 1.28 2.57 2.06 2.64		0°82 1°75 1°41 1°29 1°01 1°06 0°85 1°20	0°89 278 1°04 0°17 1°34 1°18 1°45 0°40	21:18 16:87 12:59 12:74 7:10 7:37 15:05 4:40	7:44 4:15 8:44 5:25 9:13 8:71 2:88	12:02 13:32 16:16 9:70 14:38 10:56 7:30	8:37 8:77 18:54 8:37 10:51 9:99 1 8:24	5.75 5.16 16.62 9.50 4.97 5.88 7	4 00 1 31 6 39 0 90 2 60 2 29 1 73			61.69 55.74 82.65 49.85 52.89 44.91
CHUTIA NAGPORE.														
HAEARIBAGH	Pachamba (Giridi Hazarıbach Sentagurah Mahudi Hills Jhoomrah Hills Barhi Chatra Kavaydeha Ramghar	1.05 2.60 2.13 2.62 1.90 3.40 2.81 2.91		0°27 0°15 0°15 	0.62 0.27 0.25 0.32 1.80 	3°58 5°85 6°11 7°24 7°60 5°27 9°63 6°74 6°00	6:47 4:32 5:39 5:63 7:90 1:49 3:11 7:23 4:75	11.71 14.82 11.48 12.44 17.80 12.54 14.06 27.71 19.85	11.77 11.99 8.07 14.80 15.60 11.25 10.92 17.52 14.80	7:11 6:53 6:58 6:54 8:00 6:56 10:39 12:46 5:40	0.90 2.49 2.14 1.10 0.20 1.16 0.82 1.30			43'48 49'02 42'20 50'19 69'00 43'36 51'64 75'23 53'78
LOWARDUGGA {	Lohardugga Ranches	2.70 2.29 4.10 0.41 1.23 4.36		1:01	0.51 0.68 0.52 0.02 0.12	6°15 11°54 5°52 4°00 3°84 4°88 4°11	6.72 12.42 2.97 7.20 6.93 6.34	18:58 11:28 18:39 10:89 9:18 20:51	17:65 13:21 10:81 13:84 10:70 13:29	8°20 6°87 8°38 5°8 3°05 3°75	1:39 1:63 2:19 1:00 1:24 4:79			56'66 59'90 52'61 44'26 36'56 57'16
Вівовноом{	Chychassa Chakradharpore Ghatsilla Baharagura	0'31 0'85 1'79 0'64	Ξ	0°11 0°50 0°29 1°44	0°19 0°18 1°25 2°20	11:46 5:20 4:18 4:26	5.72 7.30 6.74 8.10	13:85 12:08 15:04 9:66	14·17 9·21 17·41 8·77	3.60 10.30 7.21	0.48 0.80 1.88	Ξ	Ξ	39.66 58.70 44.15
Маввноом	Purulia	1.10 1.38 1.38 0.50 0.34 2.02	====	0°17 0°24 0°03 0°40 0°28	0.98 1.46 0.82 2.51 1.80	7'23 4'54 7'80 8'54 5'74 8'78	5:04 4:44 4:48 5:32	9:59 6:95 7:65 9:83 y 13:76	14:69 7:28 8:03 14:20 P	6:28 5:22 6:77 7:77 7:38 Y	2:86 0:81 2:08 1:27 1:65 F	====	=======================================	47-93 82-88 89-90 45-74

[•] Through misconceptions and owing to change of officers the rainfall reports were not submitted from Jhalda and Chas.

METEOROLOGICAL OFFICE, BENGAL, The 6th March 1888. A. PEDLER,

Offg. Meteorological Reporter to the Government of Bengal.

II .- Table showing the Monthly and Annual average Rainfall at 166 Rainfall-recording Stations in Bengal.

DISTRICT.	STATION.	Number of years.	January.	February.	March.	April.	May.	June.	July.	Jugust.	September.	Oct-Ler.	November.	December.	TOTAL.
ORISSA.				!	1				7 !		- '-	- 5_	×	<u> </u>	<u>2</u>
ſ	Porree Khurdah	. 17-18	0°23 0°25 0°08 0°43	1:08 0:75 1:12 0:85	0°58 0°86 0°88 1°21	0.91 0.70 0.74 2.29	2:62 3:16 2:28 8:75	7°76 9 42 7°57 9°24	10°11 12°82 11°00 14°02	10/82 12/43 11/66 13/38	10°05 10°37 9°61 11°24	8:93 6:93 6:01	1:93 1:59 1:82	0°75 0°53 1.43	55.07 60:11 54:59
1	Jagatsingpore Banki	5-6 27-30 17	0°25 0°19 0°38 0°39 0°39	0°56 0°65 0°55 0°63 1°28	0°86 1°78 1°16 0°88 1°18	6:77 0:45 1:46 1:12 1:91	2°85 2°41 8°27 8°97 4°42	7:84 10:81 10:84 8:87 9:94	11:03 12:55 12:53 12:27 13:26	10 08 810 11 13 12 56 10 70	8:78 10:12 9:70 9:97 9:87	6°80 4°53 5'60 6°26 5°32	1°30 1°36 1°61 0°88	0°67 0°41 0°95 0°50 0°51	51'48 53'80 58'18 57'71
	Chandbali	14-15 17-18 14-15 28-20 14-15	0°37 0°33 0°24 0°69 0°68 0°30	1°00 1°23 0°72 1°18 1°03 0°52	1:17 1:38 1:69 1:72 1:63 1:43	1°08 2 04 1°80 3 04 1°35 1°42	4°99 6°16 4°89 4°95 5°37 4°80	7:78 9:04 6:78 10:18 7:97	11:89 12:14 12:13 11:95 15:15	11'06 19'82 11'03 12'49 10'82	11:19 10:65 11:24 12:15 10:48	6°44 4°60 6°48 6°77 4°62	0°64 1°45 0°93 0°79 1°07 0°30	0.45 0.45 0.39 0.14 0.25	59.66 58.71 66.84 66.78 67.01
OUTH-WEST BENGAL.	mripout			0.02	1 1"	1 42	3 00	10:43	1293	11 63	11:91	4.17	0.20	0.54	60.34
IDNAPORE	Sagor Island Tumlook Midnapore Ghattal	19-21 20-21 17 22-24 11 - 12 6-8	0°30 0°32 0°36 0°71 0°47 0°52	1.29 1.67 1.17 0.78 0.87 0.97	1 22 1 40 1 81 1 46 1 68 1 82	1.51 1.52 1.62 1.59 1.70 2.06	4°48 4°54 4°93 5°38 4°59	10°77 11°33 9°38 9°76 10°09 6°85	14:58 16:29 11:98 12:33 13:71 12:64	13:65 15:38 13:80 12:07 15:16 13:10	11°84 12°86 8°32 8°22 8°77 0°64	8:46 9:40 4:35 5:01 3:57 2:63	0.90 0.81 0.20 0.23 0.11 0.46	0°34 0°30 0°27 0°29 0°30	69:32 75:02 58:11 57:86 62:11
PERGUS-	Alipore Jail Barrackpore Dum Dum Baraset	17-18 17-18 17-18 17-18 17-18 17-18	0°58 0°68 0°41 0°49 0°66 0°60	1:54 1:45 1:27 1:09 1:18	1.51 1.63 1.79 1.58 1.57 2.25	2:27 1:68 1:68 1:89 1:75 1:96	5116 5108 5194 5193 6105 6106	9:80 10:16 9:04 9:05 9:69 10:82	14:81 13:44 12:16 11:50 10:89 12:60	14°10 13°49 12°07 12°09 11°94 13°08	11/13 9/86 7/47 8/86 9/03 8/84	513 4 40 319 426 431 431	0°36 0°31 0°47 0°22 0°29	0°24 0°35 0°36 0°30 0°32 0°31	55783 60763 62 83 55733 5773 6276
IOWRAH {	Howrah Muhesreka (Oolooberiah)	19-20 12-13	0:55 6:42	1°25 1'42	1702 1722	1°95 1°34	6°25	16°97 9°03	12°58 13°55	12:57	9°11 8°60	4°21 3°73	0°28 0°11	6.59 6.53	60.7
1000 път {	Hooridy	16 -17 23 24 16-17	0°38 0°43 0°33	1.55 1.55 1.59	1°54 1°82 1°20	1'94 2'71 1'86	5.02 5.76 5.17	0°74 10°30 9°35	1273 1201 12 8	12°35 12'53 16'03	7700 7700 9704	4°19 3°97 4 40	0791 033 024	0°29 0°27 0°20	5102
URDWAN {	Burdwan	17-18 27 - ::8 17 18	0°32 0°30 0°45 0°33	1°08 0 76 1°18 1°20	1341 135 131 037	2°44 2°38 1°80 1°22	4°87 5°15 6°31 3°18	8143 9134 9194	10 72 12732 10 20	11°48 12°35 11°97	6761 8 21 8 30	392 453 495	3°10 0°50 0°25	0.53 0.18	51.9
SANKOORA	Bankoora Bishenpore Muliara Khatra	30 - :3 8- 0 7-8 7-8 8-0	0°33 0°23 0°24 0°44 0°98	1°08 0°63 0°57 0°48 0°83	1°45 1°45 0°90 1°16 1°40	1.60 1.30 0.91 0.73 0.87	313 529 341 353 437	9°71 10°07 8°74 10°69 8°05	13:72 13:15 11:69 13:98 14:93 10:93	15 16 12:23 14:77 11:31 13:68 16:10	850 951 653 1012 991	8°11 4'62 2'67 8'78 188 8'71	0749 0749 0.05 0735 0.35 0.50	0°12 0°18 0°29 0°26 0°44 0°25	50% 50% 57% 53%
Вевевисом {		25-28 12 13 15	0°45 0°56 0°54	0°95 0°90 0°85	0 65 618 075	0:93 1:14 1:55	3 29 3 30 3 45	10/25 11/42 9/52	12 53 14 46 16 83	12788 1271 1272	9°89 10°84 11°00	3°69 2°87 3 88	0 12	0°17 0°13 0°19	55°80 58°7
NUNDRA	Kishnachur Choosdanga Mehernore	17-18 24-27 17 18 17-18	0°41 0°42 0°31 0°31 0°37	0.91 1.04 1.11 1.04 1.09	1°42 1°27 1°88 2°14 1°76	3°04 2°89 2°81 2°92 2°90	5:26 6:61 7:09 5:82 7:19	9°64 9°60 9°24 9°67 11°10	10°16 9°89 9°76 9°82 10°87	12°61 19°72 12°00 12°31 11°16	695 794 1009 896 1009	578 4 10 450 868 478	0°39 0°37 0°17 0°14 0°14	0°23 0°15 0°16 0°16 0°19	54'86 54'86 54'96 60'32 56'10 62'77
(HOOLNA {	Bugnihat	17 18 16-17 16-17	0.45 0.45	0.88 1.34 1.51	2:71 1:88 2:14	2:85 3:18 3:17	6:54 6:54	12744 14725 12700	12:35 14:74 11:50	12°41 12°47 12°47	8'80 10'01 9'85	4507 6724 4719	0.38 0.64 0.41	0.32	64 71 71 59 65 74
ESSORE	Jessore Jueniah Magoora	16-17 28-33 16-17 16-17 18	0°66 0°32 0°32 0°38 0°38	1°18 0°84 1°11 1°06 1°09	1:04 2:15 2:13 2:19 1:95	8°21 4°43 8°52 3°93 2°73	6790 7755 6763 7795 5788	11°1 13°20 1376 11°79 991	9°05 11°17 9°70 10°33 10°61	10001 11-07 12-72 9-88 12:98	7:31 9:32 9:11 8:13 8:53	8:27 5:51 4:43 3:80 4:68	6540 6542 6550 6559 6559	6°21 0°20 0°18 0°17 0°36	55 91 67 64 63 61 63 64 50 20
MOORSHEDA- {	Berhampere Lalbagh Azingunge Jungipore	12-13 33-35 17 15-16 17 17 14-15	0.41 0.44 0.51 0.57 0.44 0.64	0°87 0°94 0°68 0°76 0°74	1.01 0.08 0.08 0.08 0.08	1°51 1°90 1°14 1°26 1°20 1°25	4°56 4°92 4°89 4°70 4°90 5 61	9.54 9.63 9.05 9.67 8.77 9.23	12'00 10'36 10'38 10' 4 10' 29 11'25	11°53 10°79 12°67 12°70 11.58 11°02	9°23 9°76 10°57 9°70 10°77 10°76	3:98 5:45 1:37 5:34 3:31 4:37	6:39 6:28 6:3 6:19 6:10 6:21	6 27 0 13 0 13 0 13 6 13 0 11	5518 55 66 5532 5513 5431 5431
EAST BENGAL	The second second														4.
CHITTAGONG {	n	17-18	0°50 0°47 0°52	0°42 1°20 1°16	1.86 1.99 2.64	2'41 4'56 8 78	10:40 9:06 10:05	31°31 23°32 18°55	40°14 21°32 19°05	27°08 20°71 18°92	15/11 13/72 19/74	5°75 5°71 6.93	278	0.98	143 04 101 28
HILL TRACTS, 1	Patuakhally Perozepore	15-16 17-18	0°47 0°73 0°69	1.13 1.13	2.68 1.82 1.57	2.84 2.44	8°82 8°31 7°01	21°83 22°34 16°43	16°19 21°48 16°21	17'01 17'01 11'70	1278 1379 1172	7:10 5:00 5:00	1°81 2°25 1°06 1°21	0.42 0.41 0.20	96'39 96'59 96'99 78'94
NOARHOLLY }	Burrisal Baola Noakholly	22 -23 10-11 29-31	0.00 0.38 0.40	0.06 0.78 0.88	2°43 2°60 2°85	3.62 3.34 4.19	7°80 7°25 9°49	16:77 21:49 21:15	16°56 18°62 20°95	12/81 18/32 29/23	11 69 12/12 16/59	4 58 5 50 7 37	155 158 181	0.28	70746 92729 112708
PURDERDRORM {	Fenny	17-18	0.73 0.59 0.33	1:00	3:94 2:86 7:64	4·27 3·46 3·92	10°96 9°18 8°63	27:73 13:41 13:10	22°36 12°35 12°47	21°01 1°21 12'10	16°00 8°50 9°12	5 96 4 19 4 18	0.42 0.42	0°91 0°91 0°14 0°13	121°56 68°37
Notes 4	Murahigunge	16-17 15-18 87-59	0°40 0°53 0°28	1.31 1.82 0.99	2°23 8°99 2°54	3'61 4'59 5'71	7°57 0°13 9°14	11°24 16°47 13°21	15:74 15:74 12:86	11/37 14/88 12/32	8°53 12°30 10°0 ,	4 83 5 47 6 18	0°53 0°84 0°66	0°13 0°14 0°38 6°21	6707 637.3 85788 73.13
lite Terring R	Naraingungo Maniokgango	15-16	0.44	0.93 1.17	3.10 1.82	8.94 3.4	8:80 8:45	13'03	11°95 11°95	11°14 11°53 18°74	8:12	3 95	9:39 9:30	0.13	71°56 62°08
THURS (Comilia	18-16 80-81 9-10	0°79 0°60 0°88	0.88 0.84	4.72 8.06 3.31	4.21 6.38 4.23	10.40 10.40 9.83	18-73 18-04	18'01	10 45 20 82	10:35 11:53 12:22	5°19 6°29	0°95	0.41	78'33 92'81
(Tanana	Brahmunberia Listererange	17-18 17-18 17-18 17-18 26-29 17-18	0.77 0.59 0.48 0.88 0.88	1'31 0'96 1'17 1'23 1'11	3'05 1'45 2'91 1'50 E'59	4.43 4.59 3.41 5.43 8.18	10.19 7.04 11.67 8.80 9.99	15'46 18'85 13'16 20'99 15'48 16'88	11'43 13'03 11'28 15'24 12'47	12'07 13'16 12'01 14'49 13 50 16'51	11.57 12.60 9.86 14.10 14.97 14.29	4.77 6.80 4.92 5.43 5.03 6.67	0.57 0.41 0.25 0.74 0.23 0.03	0 28 0 28 0 10 0 12 0 28 0 19	91 98 78 62 82 40 65 07 92 00 70 11

District.	STATION.	Number of years.	January.	Pebruary.	March.	April,	May.	June.	Jaly.	August.	September.	October.	November.	December.	TOTAL.
NORTH BENGAL								 				•			-
PUBNA	Pubna Serajvunge		0:46	0.00	1:75 1:32	3 39 2 59	6:92 7:62	11:75 11:40	10.21	12'75 11'25	11:36 9:87	4°75 4°41	0.38	0·11 0·14	65'18
Bogra	Sherpore	11-12 25 28	0°37 0°39 0°44 0°34	0°91 0°88 0°97 0°55	1759 1777 0.90 0792	1°32 1°82 8°28 1°27	8.18 7.55 8.72 7.41	12'44 12'89 15'43 11'48	12°01 11°37 16°11 12°06	12.52 10.81 12.58 11.23	10°25 9°77 11°94 10°68	4·10 5·12 4·6× 4·32	0 57 0 53 0 77 0 01	0.55 0.12 0.15	64°47 62°55 76°64
Маранув	Beauleah		0.24 0.30	0:92 0:82	1:29	1.72 2.11	0.85 0.84	10°74 10°25	11.86	10.78 12.22	10:05	4.48	0.27	0.08	60.18
NALDAU	Maldah Chanchal	30 - 52 10-12	0.66 0.55	0°75 0°70	0°88 0°46	1°40 0°98	3°91 4°86	16°51 12°57	10 61 12:55	9°91	10 91 10 60	4:31 3:17	0.51 0.50	C:34 0:08	81.00 81.00
DINAGEPORE	Raignore	. H-9	0°33 0°39 0°69 0°29 0°34	0°53 0°54 0°59 0°28	0°80 0°48 0 60 0 79 0°62	1:07 0:54 1:00 2:11 0:67	7:02 6:32 7:68 5:97	13:08 14:05 14:37 17:14 12:51	10:77 11:60 19:75 11:87 10:51	13°34 10°59 1°75 13°30 9°23	1206 1211 1261 1288 1055	3.25 2.85 3.78 4.88 3.72	0°10 0°02 0 09 0 22 0°01	0°18 0°17 0°15 0°10 0°29	62 63 67 42 63 66 74 83
	Ishawanigunge (Gyabanda		0.35	0.23	1.14	2.67	8:82	15'00	12:24	10.53	11.97	5'12	0.11	0.12	69:54
RUNGPORB	Rungpore Kurigram Bagdogra 'Nilphamari) .	27 - 31 12-13 11-15	0°15 0°54 0°46	0°39 0°33 0°54	1:08 1:08	3.00 4.79 3.11	10°64 13.79 12°03	21°34 23°49 26°21	16:04 13:49 13:64	12 99 11 07 15 76	13°24 12°65 15°52	4.85 4.41 4.51	0°28 0°15 0°02	0°12 0°25 0°21	84'4' 86'8' 92'7'
ULPIGORER .	Julpigoree	11 10	0.25	0.36	1:30	3°69 4°35	11:82	29:09	25:55	26.55	24.12	5:40	0.10	0.09	128 77
Соосн Винаи	Cooch Behar Mickligunge Mstabhanga	16-17	0°14 0°25 0°35	6°30 0°39 0°32	1:81 1:39 2:30	5°30 4 73 4°29	14°76 13°34 13°80	30:78 36:84 27:70 32:54	16:40 2::37 21:17 21:31	15/09 27/50 23/18 23/02	2419 2419 2419	5°10 5°43 4°59 5°60	0.01 0.02 0.03	0.13 0.14 0.14 0.14	111.70 151.25 120.78 127.69
MILL.	Shiguri Darjeeling	4 5 27 50	1.04 0.77 0.71 1.09	0°93 0°11 1°14 0°59	3°00 1°31 2°32 1°72	8107 2105 8190 3108	21749 5784 7770 6770	41°28 25°02 24°56 19°29	47:93 24:86 30:07 20:35	44/28 21/25 26/79 22/29	32°27 14°79 17°50 10°57	10°;7 5°00 6 39 4°91	0°47 0°15 0°21 0°25	0.60 0.13 0.25 0.35	215 00 108 88 121 58 91 22
BEHAR.															٠
CURNEAU	Kissengunge Arrareah Puencah	15-17	0.48 0.25 0.82	0°47 0°56 0°57	0°66 0°57 0°39	1728 1739 1748	6°82 5°92 4°42	15:87 13:14 11:40	16:43 15:93 13:83	10°21 13°77 14°35	14°23 13°58 14°01	3 30 3 53 3 96	0.02 0.04 0.04	0·15 0·09 0·16	75°65 09°03
ORTH BHA- GULFORE.	Maddapore Sospoel		0°47 0°47	0°58 0°47	6°34 0°37	0.50	4°00 5°83	8°62 9°33	11°49 10°95	11:79 12:01	16:30 9:60	4°96 2°88	0.48	0.00	53'66 50'85
OTEBUUNGA	Tajpere	16 - 17	6°52 6°52 0°76	0°40 0°45 0°44	0°21 6°21 0°35	0°29 0°50 1°03	2:35 2:58 2:96	7:58 7:02 8:69	12:19 11:88 10:59	10:34 11:40 10:45	8°12 9°62 10°13	3°16 2°98 2°62	0.03 0.00 0.00	0.08 0.08 0.08	45°50 45°45 48°00
iozopperpore	Sdanarhi Mozufferpore Hajipore	29-32	0.89 0.89	0°31 0°. 2 0°48	6°70 0°4° 0°40	1°02 0°48 0°19	2.66 2.44 2.08	7.08 6.77 6.74	10°59 10°72 11°87	9°75 10°27 10°20	9°64 8°37 7°23	2.80 2.06 3.05	0.01 0.08 0.13	0.03	46°18
DUMPARUN	Motihari	1 100	0.4; 0.50	0°29 0°44	6°53 0°37	0°59 0°70	2°43 2 68	8:11 8:30	10/92	12°46 12°46	8.76 17.38	8:68 3:58	0.01	0°12 0°15 0°24	48.58
DEUN	Gopalgunge	17-18	0°59 0°75 0°70	0.46 0.51 0.45	0°18 0°18	0°13 0°25 0°38	2°89 1°87 1°45	6:61 6:86 6:29	12°91 11°68 10°74	10:66 19:75 9:27	6°96 8°61 7°27	5°51 4'02 3°02	0°12 0°10 0°20	0.08 0.12 0.18	47'15 46'86 40'23
SOUTH, BEHAR.														•	
нанавар	Buxar Bhubeeah Susseram Arrah	17-18	0°77 0°66 0°47 0°83	0°33 0°52 0°51 0°56	0°29 0°59 0°31 0°51	0°17 0°18 0°18 0°53	1°52 1°14 1°17 1°56	4'88 5'26 5'17 6'64	11°02 12°31 11°43 12°45	9°90 11°71 11°89 10°11	7:24 6:67 6:94 F 41	3°32 3°28 3°67 3°62	0°15 0°49 0°21 0°20	0.55 0.50 0.50	\$9°81 43°14 44°24
ita	Aurangshad	26-28	0.60 0.40	0°37 0°31	0.41	0°24 0°33	1.68	5°39 6°24	11:82 11:87	12 54 9 97	7.21	£ 75 £ 41	0.53	0.14 0.38 0.10	43.62
	Jehanabad	15	0.68 0.68	0.49	0°49 0°38	0.14	1.74	5.08 5.08	11.21	12:23 12:23	6.86	2.64 8.55	0·18 0·25	0.18	42.00
AINA	Dinapore Behar Barrh	17-18	0.65 0.48	0°35 0°45	0.38 0.38 0.38	0°28 0°23 0°13	1.77 1.69 2.20 2.38	6'84 6'50 6'48 5'08	10.47 11.38 12.60 12.24	9:77 11:27 10:60 9:38	8.01 6.84 6.63 7.70	2.92 3.15 3.22 3.20	0.53 0.53 0.53	0.18 0.18 0.18	41.95 65.45 43.79 41.76
ionghyb	Monghyr Jamui	33 - 36	0.24 0.45 0.70	0°57 0°66 0°63	0°26 0°45 0°46	0°37 0°46 0°50	2.41 2.09 2.10	6.53 6.23 6.20	11'11 11'33 12'25	9.89 10.62	7:27 8:40 7:45	3°17 5°92 2°61	0.50 0.50	0.00	42.20
OUTH BUA-	Bhaulpore	33-34 17-18	0°50 0 59	0.86 0.25	0:40 0:36	0.83 0.20	2.01 2.02	8·32 7·78	11.19	10.65	7:07 8:23	4.05 3.48	0.03 0.55 0.03	0.08	44 86 47 46 46 04
ONTHAL PER-	Rajmehal	15-10 9-10	0°19 0°35 0°19	0:49 0:57 0:71	0°35 0°43 0°65	1.07 0.20 0.41	5.05 2.60 2.02	10:46 6:81 11:22	12.02 11.07 12.03	9.87 11.43 10.82	12·27 9·77 12·67	8·20 3·07	0.58 0.08	0.08	56·18 47·88
OHUTIA NAG-	Nya Doomka Dooghur Jamtara	14-19	0.22 0.43 0.43	0.90	0.4 0.69 0.81	1'04 0'83 0'82	3·74 3·10 3·45	9'04 8'32 8'10	13.56 13.46 18.25	18:35 11:84 12:60	10.63 8.90 7.88	4 03 4 52 8 23	0.09 0.17 0.14 0.29	0°11 0°22 0°17 0°15	60.65 57.7- 58.00 €1.8
PORE.	Pacliamba	17—18	0:38	0.21	0.42										
ABARIBAGH	Hazarrbagh	26-28 9-10 8-10	0°51 0°58 0°58 0°58	0.40 0.80 0.80	0.47 0.71 1.38 0.90 0.85	0°86 0°37 0°24 0°07 Nil	2°23 1°76 2°98 • 2°45 8°08	8°18 8°18 8°47 6°99 10°80	13'09 12'71 11'76' 12'39 17'58	12°34 12°70 11°93 18°52 16°04	8.92 7.92 8.18 8.73 12.07	8·16 8·37 8·10 2·55 8·60	0°20 0°83 0°26 0°48 0°30	0°18 0°35 0°35 0°37	50°8 49°5 49°5 49°5 49°5
AFCSGRABO	Ranchee	1 18 10	0·78 0·71	1:08 0:40	1.34	0°64 0°31	2°35 1'41	7°78 6'05	12:21 13:56	12.01	8.50	8:14	0.36	0.33	60.0
икерноом	Chyebassa	18-19	0.68	079	1.58	0.70	8'89	8-27	14.11	18.90	7°98 8°84	2:81 8:09	0.45	e## 9*87	15°8
моном	Gobindpore	1	0.93	0.88	0.88 0.42	0.83	8.78 2.04	8*95 7*29	11.07 11.84	19'64 12'86	774	874	076	0.00	10 M

METEOROLOGICAL OFFICE, BENGAL;
The 6th March 1888.

A. Padina. fy. Metocrological Reporter to the Communicating Days

III.—Comparison Table of the Rainfall of 1887 at 166 Rainfall-recording Stations in Bengal with the average of precious years.

DISTRICT.	STATION.	January.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Total.
ORISSA.		1			·		1. 1		1. d* :	-	7 (7	
POOREB {	Pooree	+0°05 -1°0 -0°18 -0°7 -0°08 -1°1 +0°24 -0°8	5 -0'59 2 -0'88	-0°91 -0°42 -0°74 -1°85	0°17 0°64 +-0°63 +-9°69	-5°95 -1°54 -1°52 -7°05	-3.81 +0.18 -0.50 -2.02	- 2°75 - 1°50 + 1°14 - 2°56	- 2:57 - 6:21 - 6:18 - 0:65	-2 03 -177 -171 +170	+ 0.07 0.85 -1.42 +2.21	-0.75 -0.53 -1.43 -0.67	-20°19 -19°52 -14°27 -1°43
ODITACE {	Jagatsingpore	-0°25 +0°5 +0°51 -0°6 +0°22 -0°5 +0°12 -0°6 -0°04 -1°2	5 0 5 +0°07 3 -0°30	-0°27 -0°05 -0°56 -0°12 -1°31	4 3°88 -0°40 +1°11 +3°66 +6°66	-4:75 -2:26 +4:39 +2:28 -1:94	-3°14 - 0°22 -0°83 +3°11 +0°74	-5°00 +2°47 -0°57 -4°10 -2°19	-1.71 4.91 -2.56 - 0.69 - 1.68	-5°76 -0 88 -4 69 - 3 24 -2°85	1-0:35 -1:05 - 0:76 +0:40 -0:52	-0°41 -0°35 -0°50 -0°51 -0°73	-15:91 -8:39 -4:56 -0:53 -7:30
HALABORB	Chandbali	+0°33 -1°0 +0°07 -1°3 +0°12 -0°7 -0°43 -1°1 +0°36 -0°6	3 4 2 82 2 4 2 29 8 -0 80 3 +1 30	-0.95 +1.61 -0.84 -2.37 +0.31 -0.25	+ 8°56 + 6°17 + 1°05 + 6°00 - 0°67 + 1°22	- 6:43 - 4:31 + 6:04 - 5:20 - 3:40 - 1:75	- 4/31 -1/29 -2/42 4 0/94 -0/11 +0/88	-5 19 +178 -2 95 -2 19 -3713 -2 91	-5°\$1 -6°11 -5°93 -7°06 -4°01 -3°20	-0:51 -2:82 0:50 -2:37 1:67 1:44	-0'95 -0'83 -0'65 -0'99 -0'28 -0'37	- 0.62 - 0.39 - 0.14 - 0.55 - 0.11 - 0.24	-17'89 -5'13 -10'75 -15'27 -13'13 -10'98
SOUTH-WEST BENGAL.													
MIDNATORR	Contai	-0°24 -1°3 +0°69 -1°6 +0°04 -1°1 +0°27 -0°3 +0°3° -0°3	7 +0°·5 7 -0°91 8 +1°22 7 +2°51	+0°19 +0°72 +0°65 -0°56 +0°87	- 0°63 - 0°63 - 0°53 + 1°37 + 1°32 + 0°23	-326 -2365 +032 -377 663 -357	-0.01 +3.62 +8.52 +3.97 +3.92 +1.00	-2.67 -3.11 -4.70 -0.91 -3.06 4.3.93	-2:41 +0:57 -0:92 -0:18 -0:29 -0:89	-4.59 +0.20 -3.65 -1.84 -0.77 -1.60	0°65 +2°95 0°20 0°11 0°16	-0°34 -0°30 -0°27 -0°26 -0°30 -0°21	-16'46 +1'04 -4'39 -3'44 +1'45 -2'27
24-PERGUN-	Diamend Harbour Alipore Juil Barrackpore	+0°56 -1°5 +0°78 -1.4 +0°61 -1°2 +0°62 -1°0 +1°59 -1°1 -0°64 -1°0	5 + 1197 7 + 2196 9 + 232 8 + 238	-1°22 -1°63 -0°43 -1°29 -0°50 -1°09	-1°31 +1°11 +2°27 +3°58 -0°93 -2°08	-2°86 -3°40 -2°97 -2°29 -5°98 +0°64	+5'40 +4'.7 +0'79 -1'81 +0'65 -0'41	4 01 2::38 2:91 3:77 -1:37	+2°36 -0°34 -1°16 -0°80 -2°3 -1°40	950 159 053 +- 045 +- 042 +- 133	-0:36 - 0:05 - 0:47 - 0:22 -0:29 -0:86	-0.28 -0.35 -0.35 -0.32 -0.31 -0.23	-5.51 -2.16 -3.85 -6.74 -9.06 -4.51
Howrah {	Howrah Mohesreka (Oolooberiah)	+0.02 -1.4		-1°51 0°73	+ 2163 - 2142	- 6°16 -2°33	+1138	-3°43 -7°65	-4'80 -1'81	2:00 2:00	-0.44	-0.35 -0.35	-12°75 -15°22
Ноовита {	Serampore	+0°26 -1°2 +0°43 -1°3 -0°01 -1°2	1 2:03	-0:01 -0:87 +1:16	+1°51 -1°48 4 0°64	-528 +345 -439	-0.61 -0.50 -2.85	- 4°73 -6°58 -6°97	-254 -3780 -3743	-1'99 -1'63 -2'97	6°21 6°33 0°17	-0.50 -0.52 -0.50	-11°84 -10°64 -21°63
BURDWAY	Culna	+0.62 -1.0 +0.50 - 0.7 +0.84 -1.1 +0.78 -1.2	5 4 3 4 8 8 + 3 13	- 0°90 -1°11 - 0°3? + 0°67	+2136 +4199 +8181 +3181	-3°35 - 6°39 + 1°86 - 1°32	+0°28 -0°10 +4°98 -0°92	-5°50 -0°84 -3°93 +0.76	+0.12 +0.70 -1.05 -1.55	-221 -238 -134 -236	-0°31 -0°50 +0°65 -0°19	- 0.15 - 0.15 - 0.15	-8'46 -8'59 4 8'74 -2'51
BANKOORA {	Bankocra	+0.25	3 -0.04 7 0.64 5 +3.31	+0°85 +0°88 +0°27 +1°81 +0°40	+0 81 -0°6 +3°73 +0 41 +3°05	3:43 2:20 3:06 +-2:71 0:90	6°03 +3°23 +4°06 -1°80 -1°12	+3°34 +4°95 +4°34 +1°53 +4°87	-5°15 -1°50 -2°46 -4°11 -4°52	-3°22 -1°32 -2°34 -2°33 -0°59	-0°42 -0°05 -0°33 -0°58 -0°30	-0.18 -0.29 - 0.26 -0.44 -0.25	-9.02 +1.71 -0.65 -0.87 +1.41
Вебивноом {	Bh. Scory Hetampore Rampore Haut	+1.00 -0.8 +1.01 -0.8 +1.01 -0.8	+1'41	+0.73 +0.63 +1.27	+7:39 +3:16 +7:09	-3°63 -5°63 -0°20	-0°25 +1°90 -0°15	-5:25 -6:61 -6:00	-1°57 -2°87 -3°65	-0°39 +0°76 -1°34	- 0°12 - 0°11 - 0°16	0°17 -0°13 -0°19	+1:09
NUDDEA	Ranaghat	+0.40 +0.16 +0.37 +0.21 +0.75 -1.0	+3°14 1 +3°08 4 +3°91	-1'81 -1'56 -1'18 -1'18 -2'38	+0.63 +4.22 -0.41 +9.39 +0.27	-2°81 -1°07 -3°92 -3°70 -4°06	-2:07 -1:82 -0:32 -2:29 -4:08	-5°16 -6°12 -4°00 +0°11 -3°34	+3/50 +1/47 -0/62 +0/33 -0/04	-1°68 † 0°76 - 0°05 - 1°06 - 0°66	-0:39 -0:47 -0:47 -0:14 -0:20	0 23 0 15 0 16 0 10 0 20	-8:37 -2:68 -9:28 +4:58 -10:97
KHOOLNA {	Satkira Bacirlut Khoolna	+1.00 -0.9 +1.28 -1.3 +0.40 -1.2	4 +1'88	-2.62 -3.18 -2.82	+0.78 +1.04 +2.05	5'05 3'46 +0'47	+ 0.43 0.08 + 0.43	-0°15 -3°92 -4°69	-2.89 -3.13 -0.12	4 1 23 + 1 34 - 0 90	- 6°38 + 1°38 0°19	- 0°35 -0°28 -0°34	-7 51 -8'48 -8'64
JESSORR	Varail	+0°31 -0°0 +1°20 -0°3 +0°48 -1°1 +0°18 -1°0 -0°28 -1°0	1 +1'44 1 +0'24 6 +3'49	-2.96 -4.06 -2.57 -2.60 -2.19	-3°21 +0°69 -1°57 -3°96 -3°69	-5°21 -1°42 -2°40 -1°47 -0°37	-4'06 '31 -3'13 -4'17 -1'72	-4'50 -4'40 -5'71 -5'09 -2'74	- 3°42 + 2°02 -2°37 -4°35 + 10°25	- 171 -276 +273 +676 +173	-034 -069 +058 -619 -629	-0°24 -0°70 -0°18 -0°17 -0°36	-25°22 -16°15 -15°10 -19°33 +3°12
Mooraheda- BAD.	Kandi Berhampore Laibagh Azingunge Lunguper Laigois	+1'56 -0'8 +1'38 -0'8 +1'44 -0'6 +1'62 -0'7 +0'89 -0'7 +0'75 -0'6	9 +3.93 8 +3.01 6 +2.58 4 +1.06	-0.29 -1.03 -0.89 -0.68 -0.60 -0.14	+8:42 +4:31 +7:31 +6:24 +8:40 +8:16	+3.64 - 0.68 +0.39 +1.25 +2.93 +9.36	-0.92 +2.04 +3.74 +4.40 +2.75 +0.32	-4°39 -0°45 +1°75 -2°00 +0°23 -1°48	-2.69 -0.10 +1.76 +2.67 +1.58 +0.41	-118 +138 +320 -270 -281 -300	-0°32 -0°28 -0°23 -0°19 -0°10 -0°21	-0°27 -0°13 -0°13 -0°13 -0°14	+1'10 +0'92 +20'80 +12'30 +13'40 +14'86
EAST BENGAL.													
CHITTAGONG {	Cox's Bazar Chittagong	+1.64 -0.		-2.41 -4.28	-2·47 -0·73	-15:11 -7:63	+1.83	+0.03	-4°17 -6°87	-2·25 -1·60	4 10°46 + 2 74	-0.28	-14°19 14 80
CHITTAGONG {	Rangamati Ruma	+2:45 -1:		-3·78 -3·46	-0°75 -3°14	-251 -8'05	-2.58 -4.84	-5°31 -2°10	-3'45 -0'26	5 06 4 09	+1°58 +2°30	-0.01 -0.00	-16 32 -21 45
RICKBRGUNGE	Patuakhally Perozepore Burriaal Bhola	+3°38 +2°62 +1°66 +1°17 -0°	0 +1.70 5 +1.48	-2'49 -2'44 -1'17 -2'94	-1'40 +2'77 +1'90 -0'79	-12'54 -7'17 -7'13 -12'22	-2.23 +2.62 -1.61 -1.47	- 3 77 -4 79 -4 77 1 -7 88	+ 3'45 - 3'96 + 0'07 2'48	-3°58 -0 84 +1°46 -2°28	+1:71 +3:32 +5:59 +3:94	-0.47 -0.50 -0.51 -0.61	-17°98 -676 -6°15 -23°98
MOTEROFFA "	Noakholly Fenny	+2.02 +0.	4-11.06	-3.74 -3.74	-2.10	-10.43 -10.43	-9.75 10.99	-0°24 -2°85 -7°28	7'41 7'12	-4'99 +1'21 -1'08	+3 21	-0.01	21'56 25'88
PRESENTATE (Madaripore	+0.21 +0.24 +0.20 -1.	27 +1.31	-3:46 -3:54 -0:32	-4.08 -2.74 -3.57	-0.54 -2.84 -0.91	-6°22 -3°50 -4°48 -5°87	-7'28 -4'10 -2'45 -8'36	-6.36 -6.50	+0.45 +0.45 +0.5	+0.56	-0.14 -0.14	-24'68 -21'11 -15'41
Pacca{	Munshigunge Discos Estraingunge Manjokgunge	+0.85 -0. +0.87 -0.	80 +1'36 67 +1'03	-8.47 -3.88 -2.40 -2.30	-318 -278 -383 -417	-3·52 -4·81 -2·62 -2·03	+1'88 -2'63 -3'38	-2190 -3194 -2180	-4.24 -6.89 -4.18	-0.58 +1.02 -0.85	+0.40	-0°33 -0°21 0°41 0°13	-84.46 -16.65 -19.79 -16.00
	Agairtela Courtin Cliandario Simulationario	+0%4 -1 +0%0 -1 +0%0 -1	10 +2.85 +4.48 +4.48	+0°36 -5°58 -2°88	-2.52 -5.85 -3.63 -2.69	-9:99 -9:11 -9:99	-3.65 -10.34 -4.01 -6.01	-1:90 -2:04 -10:87 -0:78	-5.81 -7.75 -9.51 -8.05	-1.68 -0.75 -2.07 -2.00	+0°19 -0°37 +0°33 +0°88	-0.41 -0.26 -0.43 -0.48	-1 001 -80.83 -41.56 -21.1

DISTRICT.	STATION,	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	TOTAL
AST BENGAL.			1										11	1
concluded.	Kishoregunge	+0.78 +1.14 +0.56 +0.72 +0.37	-0'86 -1'7 -1'22 -1'11 -0'52	+0°76 +2°65 +5°52 +0°92 +3°51	-1'41 -2'13 -3'83 +1'29 -0'91	-4:92 -3:85 -3:28 -0:96 -4:21	+5°88 +1°98 +7°62 +7°77 +9°24	-3'47 -2'94 -4'35 -4'10 -0'64	-4'62 - 3 88 - 6'40 -3'17 - 4'96	-5:19 -6:85 -2:60 -3:14 -0:07	-0.18 -0.09 -0.08 -0.08	-0.03 -0.59 -0.59 +0.06	-0.32 -0.10 -0.12 -0.28 -0.19	-14.4 -16.0 - 8.0 - 8.8 + 1.4
NORTH BENGAL.	Tion on the contract of the co	+1.07	-1:11	+5'18	- 2.13	-3.80	-6:83	+0*87	-5:93	-5.50	-1:47	-0.35	-0.11	-16.8
# ANET	Serajgunge	+0.02	-0.04	+ 4*09	- 1°57 -1°32	-0°17 -1°82	+ 4.88	-4°85	-8:30 -5:18	-0.38	+0.64	-0.57	-0.14	+ 0.4
OGRA {	Shorpore Nowkhilla Bogra Panchbibi	+0.27	-0°88 -0°96 -0°55	+ 3°92 + 3°23 + 0°60	-1 10 -3 07 -1 27	- 1°93 +2°03 +5°60	+8°53 +8°32 +8°92	-2°:0 -3°77 -1°88	-4.51 - 6.77 1 0.87 -2.42	+1 62 -0 95 +1 43	+1.05	-0.53 -0.41 -0.61 -0.52	-0.12 -0.15 -0.19	+ 4.2 - 2.7 - 9.2 - 2.0
АЗВИАПТВ {	Reauleah Nattore	+0.00	-0.85	+1149 +218	-1.31 -1.11	+ 3:30	+1.01 -1.48	-276 -376	+0.93	+1.00	5.26	+0.04	-0.11 -0.31	- R.
ALDAH {	Maldah Chanchal	+0.81	-0.75 -0.70	-(***)5 - 0 14	+0.72 -0.15	+8.86	+0.28	-6.02	-515 -685	+1 62	-2.78 +0.48	-0 20	-0.08	+ 11
NAGEPORE	Mohadehpore	+1°58 +1°57 +1°55 +1°12 +1°09	-0.53 -0.31 -0.54 -0.59 -0.23	4 1°37 + 0°46 + 1°45 + 1°50 4 0°46	032 +014 -051 -124 -043	+8°25 +10°87 +5°59 +12°64 +6°35	0.73 +7.18 +6.46 +7.24 +3.60	+0°05 -4°03 +0°20 -6°26 -2°25	-3°26 -3°30 +1°61 +8°48 +1°00	+0°11 -5°92 -3°50 -1°72 +0°87	-0°12 +1°06 +3°13 +0°06 -0°51	-0.01 -0.05 -0.05 -0.05	-0.18 -0.17 -0.15 -0.10 -0.20	+ 63 + 63 + 153 + 203 + 93
UNGPORE,	Bhawanigunge (Gyabanda) Rungpere Kurugrain Bagdogra (Nilphamari)	+0°68 +2°00 10°78 +2°20	+0.53 -0.33 -0.34	+1°27 +1°07 +1°65 +0°85	+2°13 +1°91 +1°69 -2°50	+4°84 +5°38 +0°18 +11°24	+10°44 +6°59 +8°42 1 14 69	-6'43 - 8 34 -7 81 -3'54	-5'88 +4'41 +5'29 -2'85	+ 1°88 - 2°48 - 2°26 - 3°91	+0.83 -1.22 -2.02 +0.27	-0°11 -0°28 -0°15 -0°02	-0°17 -0°12 -0°25 -0°21	+12. +11. + 8.
LPIGOREE	Julpigorese	+ 0.36	-0:31	4 1 31	-0.83	+10.07	+7:02	-12°61	+ 4 81	-6:34 -6:34	-1°37	-0.10	-0.00	+ 8.
OCH BEHAR	Dinhatta Cooch Behar Mickligunge Matabhanga	+1'01 +1'18 +1'14	- 0°30 -0°15 - 0°30 - 0°32	+0°40 +2°75 +2°31 -0°36	+2°93 6°80 +0°59 +4°98	+ 5°13 + 6°16 + 0°01	+ 17°41 + 5°31 + 9°65	-8'53 -13'00 8'18	+15.18 +4.56	-4°77 +4°55 -4°79	- 2°95 2°73 3°30	-0.07 -0.05 -0.01	- 0°11 - 0°17 -0°13	+ 6
RJEELING (Buxa Siligari Darjeeling Kalimpong	+3°53 +1°22 +0°61 +2°53	-0.23 -1.10 -0.01	+ 1°81 + 0°19 + 0°22 - 0°58	-0°68 +1°88 +1°39 +3°14	+7°40 +10°19 +11°94 +3°12	-17'99 +7'40 -2'99 -0'69	- 14°06 8 93 -1 84 +0°70	+6°13 - 3°36 +2°-1 -3°22	-2.61 +1.58 -3.76 -1.13	47.9 +2.89 -2.85 -1.61	-0.17 -0.15 -0.18 +0.01	-0.00 - 0.13 -0.22 -0.55	+ 12" + 4" + 1"
NORTH BEHAR.	Kissengunge	4 2 45	-0°47 -0°46	-0.13	-1°18	+14 63 + 10 29	+4:01	-9:18 -7:72	4 5 35 4 3 Ca	-6/58 -4/21	+1.03	-0°5	0°15 0°09	+15
RNBAH {	Arrareah Purneah	+2.00	-0.22	+0.31	+0.50	+18/29	+3 16	-675 -609	- 324 -197	+ 6°44 + 4°37	0.34	-0.02 -0.08	0.10	+ 6
ETH BUA- {	Maddapore Soopool	+1 42	-0.45 -0.28	+ 0.99	+ 0°06 :	4 8°52 + 5°27	4 2 98	-6.51	+7:38	-5:36,	+1.79	-0.04	-0.02	+ 9
EBHUNGA	Madhubani	+1'22	-0.40 -0.41 -0.41	-0.12 -0.16 -0.15 +0.18	+ 0.03 + 0.36 + 0.18 + 0.18	+491 +4780 +2761 +0799	+ 4°11 + 4°82 + 4°46 + 7°89	- 5'30 - 1'17 - 1'73 - 4'20	+3 14 +8 36 +9 88	-3°91 -4°12 -4°85	+021 +155 +450	-0.01 -0.02 -0.02	-0.15 -0.08 -0.13	+ 8 + 10 + 18
ZUPPERPORE	Sitamarhi Mozufferpore Hajipore	+ 0'66	-0.18	+0°34 +0°26	-0.00 -0.11	+ 3°50 + 8°43	+4°50 -0°67	4 41 - 3 27	+0°45 - 1°51	-5.85	- 0.88	-0.08 -0.13	-0.13 -0.00	+ 2 - 3
UMPARUN {	Motihari Bettiah	+073	-0.50	-0°35	+ 0.54 + 0.15	-0.40 +0.36	4 8:19	1'30 4'80	- 9.84 - 0.01	4 5189 - 3185	+3753	0 07 9'01	-0.12 -0.5	+ 18
BUN {	Gopalgunge Sewen Chaprab	+1°22 +0°83 +1°16	-0.19 -0.21 -0.19	4 0.12 4 0.01 -0.05	+0°34 -0°10 +0°25	+ 0.55 + 1.21 + 0.55	0 + 0.63 - 1.01	+ 0.00 + 0.00	-0°84 4 0°09 -2 32	+2:17 - 2:62 4:39	4 0 02 + 1 98 + 1 93	-0.15 -0.10 -0.50	-0.08 -0.19 -0.18	- 4 - 1
SOUTH BEHAE.	Buxer	+1.01	-0.33	+ 0.35	+ 0:36	+1'22	-1'17	-4.10	-2:40	- 1193	+1'42	-0:15 -0:19	-0°22 -0°36	- 3 - 0
AHABAD	Bhubhooah Sasscram	+0.65	-0°52 -0°51 -0°56	+0.91	+ 0°52 + + 1°03 + + 0°42 +	+1°97 +3°58 +8°80	-2'21 -2'52 -1'76	-0.10 -0.80 -1.84	+3°27 +3°27 -4°18	-1'86 -3'12 -2'48	+0.76	-0.51 -0.50	0°29 -0°14	- 3 - 1
Ì	Aurungabad	+0.00	- 0°37 - 0°51	÷0:13	+0.45	+6.79 +2.94	2'H] +041	-4°01 - 1°53	-5°35 4 0°92	-488 +215	-177 -168	-0.53 -0.51	-0.38 -0.38	-11 + 2
· (Nowada Jehanabad	+0.02	-0.15 -0.18	4 0.00	+0.48	+3.88	-0.99 -0.00	+0.09	1'06 2'72	+0°65	+2.03	-0.52 -0.52	-6.18 -6.18	+ 0
TNA	Patna	+0'76 +1'45 +2'39 +1'67	-0:48 -0:33 -0:55 -0:15	+0°21 +0°37 +°°70 +0°74	-0°15 -0°05 +0°25 +0°07	+ 7'81 + 7'55 + 2'88 + 4'77	-0°55 -0°12 -1°91 -1°21	-1.83 -2.01 -4.21 -4.15	-4°52 -5°16 -0°57 -3°58	-4°50 -2°91 -1°26 -0°35	+0.10 -5.00 -0.25 +0.58	-0.57 -0.53 -0.53	-0.12 -0.13 -0.18	- 3 - 8 - 8
NGHYR	Beegooserai	72	-0%7 -0%6	+ 0.08 + 0.38	4-0°25 4-0°80	+6°71 +0°19	+0°52 -0°72	~0'41 +1'75	+ 2°12 - 3°65 - 0°82	+2°32 -1°43	-0.66 - 0.28 -0.54	-0.52 -0.52	-0.09 -0.10 -0.00	+12 + 7 + 6
пти Вил- (Jamui Bhagulpore	+1.73	-0.69	+1.20	+0.04	+3 57	+1.66	-0.15	-3.80	-1·00 -2·57	-2.77	-0.13 -0.13	-0.00	-1
TLPORE.	Banka	+1.17	-0.48	+1'11	-0.18	+16.13	-3.05	-4.53 -0.00	-1.20	-6.25 -6.25	+0.80	-0.53	-0.00	+ 5
NTHAL PER-	Rajmehal Godda Pakour	+1°28 +1°17 +1°38	-0.57 -0.71 -0.09	+1°32 +0°76 +0°55	4 2 28 4 0 63 -0 87	+3°27 +7°46 +0°00	-2.66 -2.78 -3.79	+2°25 +4°08 -3°85	-2.66 +5.72 -4.08	+3.81 +3.83 -1.13	-1.76 +1.95 -3.12	-0.00 -0.00 -0.12	-013 -011 -022	+ 7 +22 - 7
tennis.	Nya Doomka Jamtara	+0'85	-0.00	+ 0°32 + 6°25	+0.20	+3.85	+0.81	+0°92 -2°39	-1'33 -2'61	-2.00 -2.00	-0'94 -0'94	-0.14 -0.55	-0'17 -0'15	- 6
CHUTIA NAGPORE.	Pachamba	+0.67	-0.71	-0:40	-0.04	+1'35	-1.71 -3.86	-1.88 +2.11	-0.87 -0.41	-1°71 -1°39	-0.88	-0.33	-0.53	-
ASAREBAON	Hazaribagh Senitagurah Mahuni Hills Jhoomarah Hill	+1.75 +2.04 +1.52	-0.75 -0.50 -0.60 -0.18	-0.82 -0.80 -0.33 -0.53	+0.52 +0.01 +0.01	+4*+9 +3*19 +4*79 +3*92	-3 08 -1 36 -2 00	+0.55 +0.02 +0.02 +5.11	-3.86 +1.28 +0.66	-1.65 -2.19 -4.07	-0'96 -1'45 -3'40	-0'26 -0'48 -0'80	-0.35 -0.38 -0.87	+ 1
HARDUGUA {	Ranchee	+3.23	-1.03 -0.49	-1:34 -0:69	+0.05	+9.13	+4'84	+5.83 -0.83	+1.20 +0.75	-1:33 +0:45	-0.05	-0'30 -0'45	-0.84 -0.88	+ 9
NGBHOOM	Chyebassu	-0:37	-0.48	-1'17	-0.21	+7.57	-2'55	-0.58	+0.57	-2.89	-2-77	0.55	-0.87	- 8
моония» {	Paralia	+0.45	-0.03	-0.78 -0.21	+0.10	+4'44	-8'91 -2'85	-1'48 -4'99	+2.02	-1'46 -2'10	-0.88 -0.88	-0.10	-0.50	

METEOROLOGICAL OFFICE, BENGAL, The 6th Murch 1888. A. PEDLER,
Offa. Meteorological Reporter to the Goot. of Bengal.

Abstract of the results of Meteorological Observations taken at the Alipore Observatory in the month of February 1888.

	-	-		T		
				Inches.	Date.	Hour.
The mean pressure of the month		···	•••	29 965		
The average pressure of February	from 24 ye	ars' register	8	29 9 15	527 2	PERM
The highest pressure in the month	•••		***	30.171	3rd	10h.
The lowest pressure in the month	•••	•••	***	29.804	15th	16h.
The range of pressure	•••	•••	***	0.367		
The total number of hours of brigh	t ennehine	luving the m	anth	Hours. 274:1		
The maximum possible number of l			, LI CII	329.7		
The maximum possible number of i	iouis of sur	isuine	•••	0201		
The mean temperature of the mont	de.			69.7		
The average temperature of Febru		1. vonte , row	atore	73.0		
The highest temperature in the mo		b years reg		89 4	27th	
The lowest temperature in the mon		•••		50.9	lst	
The range of temperature during the			***	38.5	181	
		•••	•••	21.2		
The mean daily range of temperature		5 89 0.			95.1	
The greatest range of temperature i	n one day	•••	•••	29 5	25th	
WER E ALAST GATA MAY				Per cent.		
The mean humidity of the month		··· .	•••	69		
The average humidity of February	from 24 ye	ars' register	B	67		
				Inch s.		
The mean vapour tension of the me	onth			0.485		
The average vapour tension of Febr) =====, ====	intonn	0.538		
The mean cloud proportion of the		years reg	isters	1.70		
		. from 11	,	1.10		
The average cloud proportion of		from 11	years	1.07		
registers			•••	1.87 Inches.		
The total rainfall of the month	•••	***		1.60		
The total rainfall indicated by a Bo	eckley's sel	f-registering				
gauge (mouth of the gauge ab-				1.57		
The average fall of February from				0.87		
The greatest fall in 24 hours				1.49	9th	
		527775	5.5.5	Days.	1.0000000	
The number of rainy days in the n	outh			2		
The average number of rainy days		v from 94	" " " " " " " " " " " " " " " " " " "	2		
registers			ycara	3		
registers	***		•••	• • • • • • • • • • • • • • • • • • • •		
- mu	2 2 2	. ,		ө		
The mean maximum equilibrium te	mperature	OI BOIAT TAG	nation	1000		
during the month	 tamat	906		136.0		
The mean difference of sun and air	temperatu	res			00.1	
The greatest sun temperature	•••• ••••	•••	•••	55000	29th	
The greatest excess of sun over air					12th	
The mean temperature of the noct	urnal radia	tion thermo	meter			
on woollen cloth		.· ··;				
The mean depression of the noct						
below the minimum air tempe	erature at	4 feet abov	ve the			
ground	. "; ,.					
The greatest depression of the noc		ation therm	ometer		2012	
below the minimum air tempe	rature			11.6	24th a	nd 29th
				Miles.		
The mean movement of the wind p	er dav			CV. 2		
The greatest movement of the wind	d in one da		•••	179.0	10th	
The greatest movement of the wind	in one ho	ur		13.0		to 7 P.M.
The number of hours with winds f	rom each o	f the 8 point		100	, 0	
THE BRIDGE OF HOURS WITH WINGS I	CLE CACIF O	one o hom	441			

N: 106, NE. 20, E. 11, SE. 24, S. 49, SW. 144, W. 90, NW. 111, Calm 141.

The results of observations at the Alipore Observatory are not rigorously comparable with the registers of past years (at the Park-street Observatory). The barometer is about 3 feet higher at Alipore, and, other things being equal, reads therefore '003 lower. The diurnal range of temperature is also greater at Alipore, and the mean temperature apparently about 2.1° lower; and, finally, the thermometer which furnished the record of temperature at the Surveyor-General's Office during 20 years and upwards is found to read 0.6 higher than the Kew standard thermometer, which is the standard of reference at the present Observatory.

A. PEDLER,

Meteorological Report of the Province of Benga

1								8	TATIO	ON O	BSERVA	TION	VS.			-		_
			AIR	PRESEU	RE.	WIN	D.					TE	MPER	ATURE,	REMINISCEN	California in incom		
DISTR	IOT.	Representative station.	Mean barometric he ght, 10 A.M.	Mean reduced to	Variation from mean.	Prevailing direc-	Mean wind velo-	Highest during week.	ş	Dave.	Lowest during week.		Late.	Mesn maximum e aperature.	Mean minimum teraperature of week.	Mean daily tem- perature of week.	Variation from normal mean of week.	-
		Gopalpore	20.995	30:045	+ 059	Calm	127.0	86.5	28tb,	99th	70°v	27th 2nd	Fob. Mar.	84.8	72.3	78.6	+0.0	1
Pooree		False Point	30.038	30°058	+.010	WNW	158.0	90:5	298h	Feb.	5910	26th	Feb.	67:3	64.3	75.8	-1:4	
		0.0.4	29:974	30.057	4.058	Calm	51.0	98-0	29th	.,	65.3	26th	.,	95.3	68.3	81.8	+0.2	١
Cuttack		Balasore	29:9797		+ '0577	NNE	81.0	92.4	28th	,,	59.6	eath	,,	88.4	62.1	75.2	-2.5	1
Balasore South-West 1	Midnapore'						192.0	88.2			61.4	1st	Mar.	85.7	68.2	76.9	-0.6	
South 24-Pers		Saugor Island	30.036	30.063	+:055	NNW	20	33.2	29th	"								l
Midnapore		Midnapore	29:022	39.075	+:075	N	70'3	94.3	28th	"	61.5	26th	fub.	91	63.8	77 7	+0.8	
34.Pergunnah	s`							5015			56:3	25th		86.9	61.4	74.2	1:0	
Howrah		Calcutta	30:029	30:051	+*054	NNW	72'0	89.5	28th	,,			"			192	-1.5	1
Hooghly	A	1	29.951	30.024	+ 053	NW	53.0	92.4	esth		56'8	25th	.,	89°C	60.8	75.2	-0.2	
Burdwan			29.731	30 0.00	1 000	NW	23.0	89 3	20th	,,	61.7	1st	Mar.	87.2	65.5	76.3		1
Bankoors Bankoors							102.8	07:7	loca.		59.8	29th	Feb.	90.2	62.4	76.4	+1.6	
Beerbhoom West Burdwe		Raneegunge	29 720	30:033	+.063	N.M.	102 6	93.7	28th	**				15311.00			710	
Meorshedaba		Berhampore	29/980	30.048	+.056	WNW	67.6	01.7	28th	**	55.3	:5th	**	89 2	55.0	73.4	-1.0	1
Nuddes		Krishnaghur	291959	30 026	1	W, WNW	72.1	91.7	2sth	,,	521	32fp	**	88 7	56 3	72.5		1
Jemore		Jessore	30.013	30'047	+.048	NW	57:+	923	25th		63.2	25th		89.5	57.1	73.3	-2.2	i
Khoolns			29:940	30.035	T.017	Culm, NE	62.0	88.6	gsth		55.6	25th	,,	86'7	60 3	73.5	+0.1	1
Chittagong		Chittagong Demagiri	25 840			Cuin, NL		Obser	vation	s not	received							
Chittagong H		Demagiri	30.012	30:027	+.000	NE	49:1	89.3	goth		511	25th,	۰.	86'4	59*4	72'9	-3.1	1
Backergunge Noakholly		Nonkholly	201907	30.041	+ '053	Calm	87.5	88:3	28th	**	51.2	25th	••	86.4	56.7	71.6	-2.2	1
Furreedpore		Furreedpore	30.014	30.021	+ 082	NW	55.0	86:3	27th,	28th Feb.	20.0	25(h	,,	84.7	5G 1	79.4	-4.3	
		Daces	:aroo7	30.039	+.045	WNW	55.0	90.1	esth,		55 1	25th		87.9	59.7	73.8	-1.1	
Commillah		0	30 994	30.030	+:041	N	37:7	8974	27th,	Feb.	23.0	gath		87:9	57.7	72.8	-2.4	
Mymensingh			991974	30.023	+1035	Easterly	52.7	87.1	28th	Feb.	52:3	25th	"	85 6	55*3	70.2	+07	1
Boltra		Bogra	29:938	30.005	+,025	w, nw	73'0	\$0.3	esth	,,	52-4	25th	20.5	87°5 66°7	22.0	71 6	-	1
Pubna		Serajgunge		30:025	+ '018	wsw	47'8"	89.0	esth	**	50.7	25th 25th		85 7	54.8	70.7	-1.8	1
Rajshahye		Rampore Beau-		30.035	+.071	sw	65.1	89:3	28th	.,	48.7	25tin		87 4	152.0	70°3	-274	-
Maldab		Maldah	29:018	-		NW	89.7	0.0 2	lst	Mar.					1000	70.5		-
Dinagepore		Dinagepore	201885	35.002	+ '025	wsw	98.0	88:1	25th	Feb.	52.7	26th	**	86.0 85.0	54.8	70.4	+0.4	1
Bungpore		Rungpore	29.8949	30.0235	+ 046	W	7910	86'3	28th	,,	6.19	25th		, se	54.2	69.G	+0.3	1
Julpigores	`	Julpigoree	29.727	1230.024	+.028	E	20.2	84.9	271h		54.4	29th	.,	82.8	57:3	70-1	+1.7	
Cooch Behar Darjeeling Hi		Darjeoling	22 053	_	+.093	Calm	38.0	56-9	28th	.,	40.9	lst	Mar.	51.7	42.2	48.6	+41	
Purneah) markement			+ '064		60.0	83.5			48.8	95th	Feb.	85-2	56.2	70.7	+0.6	
North Bhagu	pore	Purneah	29-911	39.011	7 001	Calm, NW	00 11	002	28th	"	1200000						100	I
Mozufferpore		in the second second					-	Obser	vation	18 8118	pended.			82.0	****		0.004	
Durbhungs		Contract to	29'864	30.038	+'067	Wsw	160·0 250·7	84·9 89·2	28th		48.1	25th 25th	"	85'1	59·5	70·7 68·8	+1.3	П
Chumparun		Motihari	29:777	30.038	+ 047	wsw	181.0	89.9	28th 28th	"	54.0	25th	"	86.3	56 ⁻ 7	71'0	+0.8	1
Sarun		Chupra Dehret	50.001	30.024	+.029	w, ssw	225'1	88'4	28th	"	57'8	25th	,,	85.8	62.1	. 74'0	+2.1	1
Shahabad		Buxar	29.819	30.067	+'081	WNW	176'8	87.9	28th		53.0	29th	,.	85.4	58 6	78'0	-0.7	1
Oualies-		Arrah	29*526	30 028	+*002	w,wnw	126 3	89.4	25th		58.7	25th	,,	86.2	56.3	71'6	-10	1
Gya		Gya	20.657	30.042	+.021	Westerly	118.0	80.0	28th	,,	56'8	25th	••	87.9	61.0	74'5	+0.7	1
Patna		Bankipore	29 851	30.040	+ '044	WNW	112.9	68.8	28th	"	P4.6	lst	Mar.	86 0	67.1	71.8	+1'1	1
South Bhagul	pore	Bhagulpore	29.876	31.041	+*077	w	121'0	89 4	28th	.,	53.0	25th	Feb.	85.5	28.8	72.2	+0.9	1
Monghyr)	h			+ '103	NW	100.5	92-1	28th		54-1	25th	,,	88.6	58.7	. 78-7	-0.5	1
Sonthal Pergu Hazardasch		Doomks	29.230	38 061	+ 103	NW.	205.7	80.2	27th,	28th	54.8	20th		88.8	58 9	71.4	416	1
Lohardugga					10000	NAW	265.7	W KITCHES		Feb	****			84 3	12		3.5	1
Manbhoom	}	Kanchee	27 800	30.047	+.069	NW	199.0	88.0	27th	"	84.9	25th	"	020	59.4	71.9	0/5	1
Singhh som		Chyebassa	20.278	_	+'074	88W	25.8	03'4	2sth	1	88.0	1 ut	Mar.	90.8	62.3	76.8	-04	1

Replanation. - Summary. - The normal means of air pressure and temperature are the arithmetical average or means of the reading during the same period, for the last the hamidity of the atmosphere is expressed as percentage, saturated air being represented by 100. A clear sky is denoted by 0 and any oversity for his first the numerical neans or average of the rainfull in that dustrict descrimined from the returns sent in by the qub-divisional station for the period. It is a proper to the period in an arithmetic that is a period in a part of the period in the dustrict sending in returns divided by the number of stations. A rainy day is one out which at least hundred to of satisfact for the period in the dustrict sending in returns divided by the number of stations.

for the week ending Friday, the 2nd of March 1888.

L-MARKET							PIST	CICT OF	SERVATIO	1.10.			!	1
	oek.	, k	0					RAI	NYALL.					
	TAN	ation	OF V	VEEK.	Since	1st of Febr	uary.	Sinc	o 15th May	1887.	number y days.	n Ser	Representative	DISTRICT.
at 10 A.M.	Average cloud amount at 10 A.M. for week.	Rainfall of week observing station.	Mean for district.	Normal mesn.	Mean for district.	Normal mean.	Variation.	Mean for district.	Normal mean.	Variation.	Average number of rainy days.	Normal number of rang days.		
05	0.6		Ī - Ī	-	-	-	-	-	-	-	-	-	Gopalpore)	
GJ.	20.00	** 1	N/II	0.02	1.05	0.85	+0.50	41'47	57:35	10'88	0.0	0.3	False Point	Poores
55	1.6	Nil	Nil	0.10	1.36	0.80	+0.20	47'61	53.45	-5'81	0.0	0.3	Cuttack	Cuttack
57	11	Nil Nil	Nil	0.19	2:47	1.03	1+1'45	45'64	55.12	-9'48	0.0	0.3	Balasore	Bulasone
43	0.1	Mil	2,11					1220.234	1 1277240		02000	0202	. (South-West Midnapon
62	2.3	Nit	Nil	0.41	3.46	1.60	+1.86	62.60	64.16	-1.20	0.0	0.2	Saugor Island {	South 24-Pergunnahs .
35	1.7	Nil	Nil	0.25	1.62	1.29	+0.38	52.08	52 87	+0.11	0.0	0.4	Midnapore	Midnapore
20	7.05													24-Pergunnahs
44	1.7	Nil	Nil	0.36	1.60	1.45	+0.12	43:21	53 75	-10'54	0.0	0.2	Calcutta	Howrah
								i					1	Hooghly to
30	2.3	Nil	Nil	0.12	0.38	1.12	-0.14	47'25	47.83	-0.28	0.0	0.2	Burdwan	Burdwan
41	0.4	Nil	Nil	0.18	0.86	0.67	+0.15	51.45	53 08	-1 63	0.0	0.2	Bankoora	Bankoora
	0.6	Nil	Nit	0.02	0.70	1.02	-0.35	48.74	63:48	-1.74	0.0	0.3	Raneegunge }	Reerbhoung
30	0.0						1 10	20111	50.63	+9:59	0.0	0.0		West Burdwan
57	1.3	Nil	Nil	0.02	30.0	0.79	+0.11	60°12	50 69	- 6:24	0.0	0.3	Berhampere	Moorshedabad Nuddea
52	2.4	Nil	Nil	0.50	1.10	1.51	-0 II	44.42	20 00		00	0.0	Krishnaghur	Jossora
41	27	Nil	Nil	0.31	0.91	1 32	-0.41	43.42	65*26	-11 84	0.0	0.4	Jessora }	Khoolna
		N:1		0.37	1:18	0.00	+0.13	101 07	115.65	-11/58	0.0	0.2	Chittagong	Chittagone
60	1.6	Nil	Nil Nil	0.22	1.51	1.52	-0.01	65'06	83 Go	18 54	0.0	0.0	Demagiri	Chittagong Hill Tracts
	9.6	Nil	Nil	6.41	1.11	1:32	-0.51	62'40	79-61	,-17:21	0.0	0.6	Burrisal	Backergunge
48	1.6	Nil	Nil	0.21	0.40	1 70	- 150	7179	111'45	-36 66	0.0	0.7	Noakho!;y	Noukholly
41	0	Nil	Nil	0.82	1:11	1.35	-0.58	37:73	67.81	-20'08	0.0	0.2	Furreedpore	Farreedpore
43			2			Cassoo			43.90	1020	2.1	0.0	100	
42	13	Nil	Nil	0.55	1'67	1 22	+0.42	42759	62:39	-19°80 -28°28	0.0	0.2	Dacca	Dacca Commillah
42	0.4	Nil	Nil	0.36	1.27	1.51	+0.03	41/15	72.78	-7:41	0.0	0.6	Commillah	
52	1.3	Nil	Nil	0.20	0.84	1.51	-0.34	61.38	68.89		0.0	0.5	Mymensingh	Mymensingh
41	0	Nil	Nil	0.50	0.43	1.07	-0.64	60-96	68.53	£2.73	0.0	0.2	Bogra	Bogra
43	0'7	Nil	Nil	0.52	1.69	1114	+0.22	45*92	55.09	-9.17	0.0	0.0	Serajgunge	Pubna
48	0	Nil	Nil	0.03	1.13	0.82	-0.58	50 75	55 03	-1 28	0.0	0.3	Rampore Beauleah	Rushuhye
39	0	Nil	Nil	0.01	0.12	0.65	-0.45	46.82	55.48	-8'64	0.0	0.1	Maldah	Maldah
42	0.1	Nil	Nil	0.02	0.54	0.20	-0.26	69.29	66.67	+12.72	0.0	0.3	Dinagepore	Duagepore
47	0	Nil	Nil	0.09	0.13	0.25	-0.39	81.09	73 96	+7'13	0.0	0.3	Rungpore	Rungporo
"		50550								1.700				Julpigorea
59	0	Nil	Nil	0.02	0.10	0.36	-0.50	118.03	110.97	+7'06	0.0	0.5	Julpigores{	Cooch Behar
83	4.9	Nil	Ni!	0.15	0.63	1.763	0	118.83	121.88	-3.03	0.0	0.3	Darjeoling	Darjeeling Hill Tracts
	0.1		Nil	0.n5	0.02	0.23	-0.48	65:36	58.28	+6.77	0.0	0.5	Purnouh {	Parnoch
51	0,	Nil	Mil	0 02	000	• • • •		00		200.000			1	North Bhagulpore
	п		Nil	0.04	Nil	0.43	-0.43	47:35	48.79	+3.26	0.0	0.5	Mozufferpore	Mozuff-rpore Durbhunga
86	0	Nil	Nil	0.01	Nil	0.42	-0.42	50.07	44.81	+576	0.0	0.1	Burbhunga	Charanaran
43	0.4	Nil	Mil	Nil	Nil	0.43	-0.43	49.82	46.96	4 2 86	0.0 -	0.0	Mofibari Chupra	Surun
65	0	Nil	Nil	0.03	Nil	0.45	-0.45	40 25	43.61	-3:36	0.0	0.5	Dehren)	
86	0	Nil		0.00		0.19		Davis	40 80	-2:17	0.0	0.5	1.	Shahabad
36	0.2	Nil	Nil	0.03	0 01	0.18	0'\$7	38.63	-IV 6U		0.0	#.#23	Arran)	
39	1.9	Nil Nil	Nil	0.03	9.03	0.48	-0'47	39.30	42.19	-2 89	0.0	0.5	Gya	Gya
44	0.1	NII	Nil	0.03	Nil	0.42	-0.42	36.81	42.04	5*23	0.0	0.5	Bankipore	Pat na
			,,,,		2						li	0.7		South Blisgulpore
42	0.1	Nil	Nil	0.03	0.04	0.22	-0.23	43.60	43.74	-0.18	0.0	0.1	4	Monghyt
29	0	Nil	Nil	0.03	0.26	0.21	-0'25	53.10	51.06	+2.10	0.0	0.4		Southal Pergue ahs
28	2.4	Nil	Nil	0.19	0.38	0.68	0"28	47'81	51.30	-3'49	0.0	6.3	Hazaribagh	Hazeribugh
45	947	30				2024		,,,,,	40-117	-2.10	0.0	0.3	kanch}	Lohardugga
10	8.8	Nil	Nil	0.03	0.74	0.88	-0.18	46°27	48 87	-510	**	////	(Manbiron
84	8.0	Nn	Na	0.18	1.75	0.94	+0.81	63703	52'48	+0.81	0.0	0.4	Chyebassa	Singbhoom

the same from the agreement when the mount of the week is less than the corresponding normal mean, and positive when krewer,
Statement of Rainfall in Bengal for the week ending Friday (6 p.m.), the 2nd of March 1888.

						AINFAL				Тот	AL.				
Meteorological division.	District,	Station.	Saturday, 25th February.	Sunday, 26th February.	Nonday, 27th February.	Tuesday, 28th February.	Wednesday.	Thursday, 186 March.	Friday, 2nd March.	Number of rainy days.	Rainfall of	Total rain- fall since 1st of February.	Average total rain- fail from 1st of February.	Total rain- fall since 15th May 1887.	Average rainfell from 15th May to date.
ABBIRC	l'obree	Pooree Khurdah								Nil	Nil	1.89	0.73	36149	52.93
		Banpur False Point			*****					Nil	Nil	0°20	0.70	39°59 89°79	88°15 52°86
N 3		Gop								Nil Nil	Nil Nil	1 49 0 41	0.70	70°01 30°22	65.22
7		Pipli .			+ 116					Nil	Nil	0.40	7	9	٠
	Cuttack	Jagatsingpore Banki								No.	N.J Nil	1 29 0 67	0°65	33°68 43°28	44.67
		Cuttack Kendrapara								Nil Ni:	No.	0.02 2.40	0.28 0.62	56.59 50.59	57 33
		Jajpore Dharmsalla								Nil Nil	Nil Nil	1 72 Nil	174	50.00	53 55
		Satipore				1000			*****	Nil	Nil	Nil	1	51°31	;
	Balasore	Chandbali Bhuddruck				inne				. Nil	Nil	1:30	0.98	43'69	. 55'19
		Soran			12.5					Nd Nd	Nil Nil	2°86 2°49	0.88	47:00	53'47 53'51
		Jellasore			******			77.2		Nil Nil	Nil Nil	4°22 0.87	1.52	51'8\$ 40'19	53.04
		Baripodah	••••		3500	1990 9	30000			Nil	Nil	2.32	0.94	4,706	55.75
DINGAL.	Midmapore .	Contai Sauger Island		*****						Nil Nil	Nil	3°40 2°97	1.50	52.58 73'89	68.03
STATE OF STATE	C.	Tumlook Midnapore			*****	1993				Nil Nil	Nil	2.10	1.73	52.73	52.83
4		Ghattal Kukrahaty			*****	54000				Nil	Nil	1.82	1 25 0 90	48 92 57 25	50.44 50.44
		Heria Bhagwanpore							******	Nil Nil	Nil Nil	4.74 8.59	ŗ	41:97	;
1		Garbeta			******					Nil Nil	Nil Nil	3 15 1·17	9	45°17 51°61	?
	24-Pergunualis	Diamond Har													
		Canning Town				45.00		.,		Nil Nil	Nil Nil	4°00 3°15	1 06	61:35 50 08	60 65
		Alspore Jail Barrackpore			44. 6	ž.,		100		Ni!	Nil	1.71	1 75	51:55	57:48
1		Dum-Dum		*****						Nil Nil	Nil	174	1:57	42 50 43 68	51'.8
		Buraset								Nil	Nil Nil	5 24 1:37	131	41°88	50.00
	Howrah	Howrah				******				Nil	Nil	1:44	1.42	39:75	52:94
1		(Ooloberiah.)								Nil	Nil	1.63	1:42	41:03	20.20
1	Hooghly	Scrampore		00000						N. 1	***		2.000		12/1/27
1	Ilooping	Hooghiy								Nil Nil	Nil Nil	1:38	1.29	\$6:41 41:69	52:31 40:00
1	2000			******						Nil	Nil	1.02	1.25	37:36	63.38
1	Burdwan	Culna								Nil Nil	Nil Nil	1:05 1:11	1119	80·19 47·29	45'85
		Cutwa Raneegunge			•••	******	0.0			Nil	Nil	0°88	1.25	65.44	49 02 48 63
		Mankur								Nil Nil	Nil Nil	0°97 0°82	1.58	47.08	50°40
	Bankoora	Bankoora Bishenpore								Nil	Nil	0.84	0.00	45'37	53.91
		Malara								Nil	Nil Nil	1.06 0.20	0°76 0°56	50°25	60 35
	£	Khatra Indas								Nil Nil	Nil Nil	0.40	0.37	53:12	57:40
		Kotalpore								Nil Nil	Nil Nil	1.02	!	46'10	į
		Gangajalghan Karpare								Nil	Nil	0.50	•	20.10	- 1
4	9	Sonamukhi								Nil Nil	Nil Nil	1°13 0°92	,	37:31	;
	Beerbhoom	Bh. Soory								Nil	Nil	0.22	0.93	50:58	55'10
		Rampore Haut								Nil Nil	Nii	0.21	0.84	51'H7 45'40	55 94 52 67
		Botpore	30000							Nil	Nil	0.67	3.	42.45	*
	Nuddea	Ranaghat Kishnaghur								Nil	Nil	1'32	1.09	41:05	48 67
		Chooadanga Meherpore							******	Nil Nil	Nil Nil	-0.62 1.53	1.08	43'#1 43 44	63.71
		Kooshtea								Nil	Nil Nil	0°67 1°47	1°37 1°28	48'94	48.78 86.18
	regression of							1000000	3,0,00	58535		142,31.3			
	Khoolna	Satkhira Bagirhat								Nil Nil	Nil Nil	0.15 0.82	1:46 1:39	46'87 54'05	5794 61'51
	25	Khooma								Nil	Nil	1'55	1.40	42.00	57'04
	Jessore	Narail	i							Nil	N ² (1)		٠		
	Jessore	Je-sore				******				Nil	Nil Nil	0.62	1 27	24.72 43.71	48.76 68.20
		Magoorah			*****		*****			Nil Nil	Nil	0.88	1.48	44.02 32.44	55.87
		Bongong			•••••	******				Nil	Nn	1'24	1.11	68 08	52 43
	Moorshedabad	Kandi								Nil	Nil	0.28	0.83	4/*59	53.01
		Berhampore								Nil Nil	Nil Nil	1708	1.04	18:00	51'05
		Azimgungo								Nil Nil	Nil	0.41	0 77	60.20	51.3
		Ladgola								Nil	Nil Nil	0.40	0°76 0°67	63°24 62°C2	21.00
		Patkabari								Nil Nil	Nil Nil	0.82 0.84	P	53'41	;
AST BREGAL	Chittagong	Cox's Bazar								Nil	Nil	1.66	0.43	123-55	184-6
		Chitingong Kutubdia							******	Nil Nil	Nil	0 69	1:33	78'58	96,0
		satkanya								Nil	Nil	1·18 0 35	,	78·89 65·51	
9 .	Chittagone Hill Tracts.	Rangamati								Nil	Nil	0.62	1.37	88'54	88-16 91 97
		Kums								Nil	Nil	1.75	1:18	64'66	1197
	Backergunge	Patuskhally							1	Nil	Nil	1119	1'81	#Q-24	90*12
		Perozepore]	Nil	Nil Nil	1'20	1'58-	69'84	71 67
		Bhots		1				*****		Nii	Nu	176	1.08	60-60 55-61	30 4

Statement of Rainfall in Bengal for the week ending Friday (6 p.m.), the 2nd of March 1888 -contd.

					R	AINPAL	L.			To	TAL.				
Moteorological Division.	District.	Htation.	S.turday, 25th February.	Sunday, 26th February.	Monday. 2-th February.	Tuesday, 28th February.	Weinesday, 20th February,	Thursday, 1st March.	Friday, 2nd March,	Number of ramy days.	Ramfall of	Total rainfall since 1st of February.	Average total rain- fall trom 1st of February.	Total rain- fall since 18th May 1897.	Average rainfail from 15a May 1887 to date.
MAT BENGAL		Gournaddi Bauphal	*****							Nil Nil	Nil Nil	0°29 0°81	5	41:35 63:16	• : ;
	Nontholly	Nonkholly								Nil	Nil	0:56	1:43	74.78	11111
		Harishpore Rampanj								Nil Nil Nil	Nil Nil Nil	0.34	1195 ? ?	74*77 75*87 63*35	1114
	Furrestpore	Madaripore		*******						Nil	Nil	0/32	1 27	30.21	36.1
		Furreedpore Goslundo								Nil Nil	Nil Nil	197	1 34	30°61 37°32	58'8 58'8
	Dagne .	Munshigunge Daces								Nil Nil	Nil Nil	1.79 1.81	1°51 1°31	41.61 47.91	73.6 61.2
		Naraiugunge Manickgunge		30000 30000		*****				Nil Nil	Nil Nil Nil	0°88 0°86	0°89 1 27	44 60 36 22 51 93	54·8
	Hill Tippersh	Joydebpore Agartola								Nil	Nil	1.20	1:07	45:21	63.8
	Tipperah	Comilia Chandpore								Nil Nil	Nil Nil	1155 1290	113 1 00	50°10 40°87	74.9 83 U
		Brahmunberia Ramchandra							******	Nd Nd	Nil	120	1100	41:53 35:40	81.0
		pore. Nasirnagar Daudkandi								Nil Nil	Not Not	1:43	5	37 91 37 17	;
		Kasha Laksham								Nii Nil	Nd Nd	1345 1315		43°16 32°21	į
	Mymensing has	Kishorogunge	.,							Nil	Nil	0.70	1 94	58.77 41.23	71'4
0		Atm (Tangail) Mymensingn Jamalpore								Nil Nil Nil	Nil Nil Nil	1°28 0°61 0°35	3 ::5	69°44 62°86	57.6 75.6 66.7
		Natrosons Subornakhally			*****					Nil Nil	Nil Nil	0.28	0'92	7 F 49 52 19	73 3
	1	Dewangan;								Nil Nil	Nil Nil	0°50 Nil	,	79 95	1
orth Bengal	Pubna	Pubus								Nil	Nil Nil	1:56 1:82	134 125	39:45 52:34	•561
	0 PRAY 0 PROS	Sherpore		*****	30000					Nil Nil	Nil	0:42	1:19	49723	60.7
	Rogra	Nowshills	******					******	******	Nil Nil	Nil Nil	0°55 0°59	1°14 1 02	59°80 67°41	61.5
		Panchbibe			******				****	Nil	Nil	024	0.02	68.31	65.9
	Rajsh hye	Suffore		3000						Nil Nil Nil	Nil Nil Nil	1/8a 0/50	0'86	48°99 62°83	53.7 56.2
		Nangaon Latpore Manda	10000							Nil Nil	Nil Nil	2.11	9	36°68 6 072	
	Naide!	Maldab								N:1	Nil	0.10	0.27	49'82	52.3
		Chanchal								Nil Nil	Nil Nil	0.16	0'79 t	45 83 51 29 54 03	58.0 58.0
j		Sibganj	,,,,,,,					March 1		Nil Nil	Nil Nil	0.15	0.00	6218	58:3
	· наженроге	Churamon Raigunge								Nii Nii	Nil Nil	0°23 0°15	0.31 0.05	5855 73763	57.4
		Dinagepore Baloorghat							-2	Nil Nil	Nil	Nil 6543	0.22	9791 6171	91,2
	tenngpore	Bhawamgunae								Nil	Nil	0.50	0.00	671 6 6	02.0
	SHOWING NO.	Rungpore								Nil Nil	Nil Nil	0.05	0 i: 0 36	80°61 74°75	74.7
		Burigram Bugdogra (Adphamart)					******			Nil	Nil	0.18	0.65	101.44	83'9
		Ulipore								Nil	Nil	Nil 0:15	0.11	61°13 125 71	110.85
	Jaipiguies .	Alipore Doar								Nil Nil Nil	Nil Nil	Nd o'ti	?	140±7 143 00	1,
		Fallacotta Debiganj Dinnana		419111						Nil Nil	Nil Sil	N:11	0.10 5	96°75 192 09	96.3
	Dooch Behar	Cooch Sehar Mickinganve .								Nil Nil	Nil Nil	0.00	0.34 0.37 0.33	122 63 122 56 117 19	115°50 100°50 117°50
	10	Matabio nga								Nil	Nil Nil	0.02	0.05	169-75	195*27
	Daryeeling Hill.	Buxa Silinguri								Nil Nil Nil	Nil Nil	0.21	0.13	105 04	10: 450 110'82
-	44041404	Kammpong								• Nil	Nil	0,50	0.14	81.77	59 93
CORTH BREAK	Purnesh	Kissengunge								Nil Nil	Nil Nil	Nil Nil 0:13	0.94	66.63	67.02
	100	Furnesa Gondwara								Nil Nil Nil	Nil Nil	0.12	ř	66°20	•
		Balarampore					******			Nil	No.	Nil Nil	? 0:61	81°33 79°29	1
	North Shagui-	Kaliagauj Medapore Soopool								Ni.	Nil Nil	Nit Nit	0.43	64:39 64:31	49'8'
	pore.	Protabganj					******			Nil	Nil	Nil	0 41	41.70	43'7
	Durbhungs	Tajpore							need .	Nd Nd Nd	No.	Nil Nil	0.47	52 87 55 60	40 '9. 45 'U
		liadhubani Rahera								Nil Nil	Nil Nil	Nil Nil	,	65729 40782	į
		Roshera								Nil	Nul Nul	Nil Nil	0:38	60.31 43.00	42:3 407
Á	Mosufferpore	Mosufferpore			,					Nil Nil	Nd Nd	Nil I	0.48	37%3 41'01	42.8
3	1	Pare								Nil Nil Nil	Nil Nil	Nil Nil	,		1
		Sinhar								Nil	Nil		P		,
	Charles parties	Motibari		non					Y	Nil Nil	Nil Nil	Nil Nil	0.49	89°86	44.1
637	ar a seed of the fact of	Bettish		saped.	1				A.	Nil Nil	Nil	Nil Mil	9	30'59	,

Statement of Rainfall in Bengal for the week ending Friday (6 p.m.), the 2nd of March 1888.—concld.

					R.	AIFFALL	•			Tota	L.				
teorological Division.	District.	Atation.	Sarurday, 25th February.	February. 26th	Monday, 27th February.	Interday, 28th February.	n -dnesday, 29th February.	Trursdey, 1st March,	Friday, 2nd March.	Number of	Rainfall of	Total rain- tall since 1st of February.	Average total rain- fall from 1st of February.	Total rain- fall since 18th May 1887.	Average rainfall from 15th May to dute.
DETH ERHAR -ounefuded.	Harut	Gopalgunge Sewati Chuprab								Nil Nil	Nil Nil	Nil Nil	. 0.48 0.50	42°58 89°74	44"
UTB BRUAR	Shahahad	Buxar Denree Bhubuoah Sasseram Arrah Mohania								Nil Nil Nil Nil Nil Nil Nil	Nil Nil Nil Nil Nil Nil Nil	Nil 6 02 Nil Nil Nil Nil Nil	0:38 0:41 P 0:54 0:50 0:48	38-42 34-73 39-03 41-88 36-44 41-34	41.3 39.2 41.3 41.3 40.7
	Gya	Aurungabad tiya Nowadah Jehanabad Arwal Paudnagar Sheriyhati Rajauti Pakri Parawan								Nil Nil Nil Nil Nil Nil Nil Nil Nil	Nil Nil Nil Nil Nil Nil Nil Nil Nil	Nil Nil 0'02 Nil 0'31 Nil Nil Nil Nil	0:37 0:53 0:56 0:45	29°96 43'79 96'54 46'77 41'13 25'81 56'45	43°5 43°0 40°7 41°0
	Patoa	Patna Dinupore Behar Barrn Bickram Hilsa								Nil Nil Nil Nil Nil Nil	Nil Nil Nil Nil Nil Nil	Nil Nil Nil Nil Nil Nil Nil	0.40 0.35 0.60 0.46 2	37:17 38:44 35:54 36:96 40:65 34:54	42:7 41:9 42:8 39:8
	Monghyr South Hhagu!- pore.	Begooserai Monghyr Jamu: Goori Sheikpura Basgul, ore Banks Kolgong								Nil Nil Nil Nil Nil Nil Nil	Nil Nil Nil Nil Nil Nil Nil	Nii 0:05 0:09 Nil Nil Nil Nil 0:07 Nil	0.22 0.22 0.22 0.22 0.22	49°68 47°24 40°02 42°63 28°58 41°23 39°96 43°45	40°1 47°0 48°7 42°9
	Sonthal Per- gunuaha.	Rajmebal Godda Pakour Nya Doomka Deognur Jamtara Simra								Nil Nil Nil Nil Nil Nil	Ni! Nil Nil Nil Nil Nil	0.07 0.10 0.23 0.46 0.16 0.56	0°20 6°58 0°35 0°77 0°69 0°37	67:98 49:36 78:31 45:71 47:36 40:05	52:1 45:4 53:7 54:9 50:1
SUTIA NAG-	Hazaribagh	Nanihat						30000		Nil Nil	Nil Nil	0.39	0.62	- 36°79 42°00	46:
PUR.	***************************************	(Giridi). Hazaridagh Semtaguran uanudi Hilis Jhoomrah Hilis Harai Chatra Karagdeha Kamghar								Nil Nil Nil Nil Nil Nil Nil Nil	Nil Nil Nil Nil Nil Nil Nil Nil	0°44 •0°45 0°60 Nil 0°19 Nil 0°80	0.79 0.77 0.73 0.38 ?	47 51 41 19 58 66 39 70 40 97 72 46 51 64	46°P 40°G 48°7 68°3
	Lohardugga	Lohardugga Bahchi Patanow Silli Balumat Hossemabad Garwah								Nil Nil Nil Nil Nil Nil	Nil Nil Nil Nil Nil Nil	0.89 0.75 0.03 1.20 Nil	1'24 0'50 F	57:16 58:38 50:71 ? 85:21	68 0 48 5
Ì	Mingbhoom .	Chyeussa Chakradhar-								Nil Nil Nil	Nil Nil Nil	0·19 1·75 1·99	0.84 1	53.03 41.22	52
	Mannhoom	Buharagura								Nil Nil Nil	Nil Nil Nil	0.81 1.89	1.07	55:79 41:15 46:53	\$0.5 \$
		Gobindpore Kayhunath- pore. Burrabhoom		100	*****		1,,,,,			Nil Nil	Nil Nil	0.42 1.21	0.81	29°43 38°64	467
		Jhalda Chus	•••••• •••••							Nil Nil Nil	Nil Nil Nil	1·18 1·32 0·61		43'31	

Exploration. - Indicates that no rain has fallen. If the return for any day has not been received, the corresponding space is left blank. If any of the return wanting, the corresponding spaces in the total rainfall columns are left blank.

SUMMARY OF THE RAINFALL AND METEOROLOGICAL OBSERVATIONS TAKEN IN BENGAL FOR THE WEEK ENDING FRIDAY, THE 2ND MARCH 1888.

The meteorological conditions which obtained over Bengal during the previous week were those which mark the gradual change from the north-east monsoon to the hot weather season. Similar conditions have obtained throughout the whole of the present week. Westerly and north-westerly winds have prevailed during a considerable portion of the week and over a large part of the province, but at the southern stations winds have been rather variable, and they shew a decided tendency to become southerly. The variations of pressure have been of the usual oscillatory character, though on the whole pressure has been decreasing. Temperature on the other hand has been almost steadily rising, and towards the end of the week some rather high maximum temperatures were reported. Humidity has remained fairly low at most stations, and the sky has been almost free from cloud or very lightly clouded over the whole province; while at no station has any rain been reported. The meteorological conditions for the week in fact again call for no particular remark, except that the hot wether conditions are rapidly establishing themselves.

Pressure—Generally fell on the 25th and was almost stationary on the following day; this was succeeded by a moderate fall lasting two days, and then by a slight rise lasting the same period; but on the 2nd pressure was again falling. Notwithstanding the decrease, the average pressure for the week has been decidedly above the normal, and taking into consideration only those stations from which observations have been received for many years, and which therefore yield reliable averages, the mean pressure for the province has been 0.053 inch in excess of the normal.

Temperature.—As has been already stated, temperature has risen almost steadily throughout the week, and thus, while the average mean temperature of the whole of the province in the previous week was 69.7°, in the present week it has risen to 72.9°, showing an increase of 3.2° in the week. The actual mean temperatures recorded during the week have, however, not been far removed from the normal, and for the whole province the mean temperature has been 0.2° lower than usual. The actual temperatures recorded and their variations from the normal are best seen in the table below, where the average maximum, minimum, and mean temperatures for the week at nine typical stations in the province are compared with the normal values for the same period. Generally speaking it will be seen that the maximum or day temperatures have been rather above the normal, while the minimum or night temperatures have been below it.

Table showing the excess or defect of the actual mean temperature from the normal for the week ending the 2nd March 1888.

		Normal mean maxi- mum tem- perature for the week ending 2nd March.	Actual mean maxi- mum tem- perature for the week ending 2nd March 1888,	Variation of actual mean from the nor- mal.	for the wank	perature	Variation of actual mean from the nor- mal.	Normal mean daily tempera- ture for the week ending 2nd March.	Actual mean daily tempera- ture for the week ending 2nd March, 1988.	Variation of actual mean from the normal.
Cuttack Calcutta Dacca Burdwan Patna Gys Purneah Hazuribagh Darjeeling	 : : : : : : : : : : : : : : : : : : :	91'0 85'8 86'3 88'1 84'3 87'3 85'4 81'8	95:3 86:9 87:9 80:6 86:0 87:9 85:2 83:9 54:7	+1.3 +1.3 +1.6 +1.5 +1.7 +0.6 -0.2 +2.1 +4.2	68°6 65°1 63°4 63°3 56°6 60°2 54°7 57°8 38°5	68°2 61°4 59°7 60°8 57°1 61°0 56°2 58°9 42°5	-0.4 -5.7 -3.7 -2.5 +0.5 +0.8 +1.5 +1.1 +4.0	81'3 75'4 74'9 75'7 70'5 73'8 70'1 69'8 44'5	81:8 74:2 73:8 76:2 71:6 74:5 76:7 71:4 48:6	+ 0°5 -1°2 -1°1 -0°5 +1°1 +0°7 +0°6 +1°6 +1°6 +1°6

Rainfall-Has been entirely absent from the province for the whole week.

The following table gives the summary of the temperature and rainfall data of each of the seven meteorological divisions of the province for the week ending Friday, the 2nd of March 1888:—

		١	RMPE	BATUI	ZB.						CAINI	/ALL	- L 202			
	g week.	With K.	Δvers	Res for	r week.	above cr		Of we	et.	. 8	ainy (days.		elm o roary.		1857.
METROBOLOGICAL DIVISIONS.	Highest observed during	Lowest observed during	of highest of each day.	"if lowest of each day.	Of mean for each day.	Average mean of week a below normal mean of	Average.	Normal average.	Fariation.	Average number in week,	Yormal average num-	Fariation.	Verrge	Normal average,	lverage.	Normal average.
ipos	88.8	59.0	89.0	66.7	77'0	-0.6	Nil	0.15	-0.13	0.0	0.3	-0.3	1.60	0.90	46:35	55'15
South-West Bendal	94.8	521	88.8	61.8	75.1	-0.2	Nil	0.50	-0.58	6.0	0.2	-0.2	1.50	1.12	48 87	58.48
San kenani	90.7	20.0	86.2	67.0	72.2	-1.8	Nil	0.38	-0.28	0.0	0.0	-0.0	1.10	1.58	37.94	70.88
Nerth Happen:	8.08	48:1	85'9	54'9	70.4	-0.4	Nil	0.10	-C.10	0.0	0.4	-0.4	0.42	0.80	74.25	70.73
Forth Behar	89.2	481	84'6	50.5	70.4	+0.2	Nil	0.03	-0.03	0.0	0.3	-0.5	0.02	0.47	52.57	40.08
louth sehar	92'1	58.0	86.2	99.0	72.8	+04	Nil	0.03	- 0.03	0.0	0.5	-0.3	0.08	0.21	42.77	44.28
nube Keepur '	88.00	54'8"	84'1"	59:2"	7146*	+0.60	MII	0'18	0.13	4 0.0	0.8	-0.3	0.73	0.80	46'58	50'24

A. Pholan, Bureat, Offg. Meteorological Reporter to the Gost, of Bengal.

Results of the Meteorological Observations taken at the Alipore Observatory from 26th February to 3rd March 1888.

			bright	meter	T	RMPER	ATURE.			ligron	ETRY.		WIND.		1	
Month.	Date.	Maximum in sun.	Number of hours of bright	Mean pressure barometer at 32° Fair.	Менв.	Vaximum	Bange.	Minimum.	Mean wer bulb.	Varour tension.	Dew point.	Humdity.	Prevailing direction.	Miles recorded.	Rain.	WEATHER.
1888.		0		Inches	0	0	0	0	0	Inches	()	%			Inches	1
Feb.	\$ 6th	142 2	10.8	30.014	72.1	87:7	29:3	58.4	64.3	0.504	59-2	66	NNW and calm	38		Clear,
,,	27th	142 6	10:8	29-948	75:4	89:4	25.2	61:2	67:1	-558	62.0	66	Wly S, WNW, and SWly S.	80	r	Cloar.
	28th	142-6	10.8	905	76:9	88:7	22:5	66:2	67.6	552	61.8	63	NNW and WNW	97	,,	Clear.
,,	29th	143 5	10.8	-926	73:8	85.5	21 0	64:5	63 6	135	55 0	56	NNW and WNW	88	"	Partially cloudy
Mar.	1st	146-2	9.4	-945	731	87:5	25 4	59:1	62:1	414	53.7	55	NNW and WNW	75	,	Partially cloudy
	2nd	146.8	8:9	-907	74.5	88.2	21:3	6::-9	63 6	•143	55 6	56	WSW and WNW	68	,	Partially cloudy
μ	3rd	145-2	10.5	:J18	73-9	89 8	29.8	60 0	63-1	433	55:0	57	WS'V, NNW and	37	,,	Clear, a.

The total number of hours of bright sunshine
The maximum possible number of hours of sunshine
The mean temperature of the seven days The average temperature of the corresponding period for 24 years, S. G.'s Office 77·3 The extreme variation of temperature
The mean temperature of the seven days The average temperature of the corresponding period for 24 years, S. G.'s Office 77.3 The extreme variation of temperature
The average temperature of the corresponding period for 24 years, S. G.'s Office 77.3 The extreme variation of temperature
The extreme variation of temperature
The extreme variation of temperature
The maximum temperature 89-8
Miles.
1224 1414 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
The highest velocity of the wind in one hour 10
the
The highest pressure of wind on one square foot Not measurable.
°/
The mean relative numbers
The average relative humidity of the corresponding period for 24 years, S. G.'s Office 66
Inches,
The total fall of rain from 26th February to 3rd March 1888
The everyone fall of the gerros pay days paried for 24 years S. C Off
mental tall from Lt January to 2nd March 1889
my and fall of the corresponding period for 94 years 8 03 00
The average ran of the corresponding period for 24 years, S. G. 8 Office 1.78

The mean pressure, temperature, &c., are deduced from the traces of the Barograph and Thermograph.

The maximum and minimum temperatures are obtained from self-registering thermometers. All the thermometers are verified, and the readings have been corrected to a standard constructed and verified at the Kew Observatory. They are exposed under a thatched shed open at the sides, and are suspended four feet above the ground.

The barometer readings are corrected approximately to those of the standard Newman's No. 86, formerly at the Sarveyor-General's Office.

The hygrometric elements are obtained from Tables III, IV, and V of the official tables computed in the Meteorological Office, and based on Regnault's modifications of August's formula.

The directions and the movement of the wind are taken from the trace of a Beckley's anemograph. The mouth of the rain-gauge is one foot above the ground.

fog, a dew.

A. Pedler,

For Offg. Meteorological Reporter to the Goet, of India.

METEORCLOGICAL OFFICE, GOVT. OF INDIA; Calcutta, the 5th March 1888.

Abstract of the Results of the Thermometric Observations taken at the Meteorological Office, Chowringhee, in the month of February 1888.

				0	
The mean temperature during the month		•••		71.2	Date.
The highest temperature during the month	ı		•••	91.5	27th.
The lowest temperature during the month		***	•••	51.7	lst.
The range of temperature during the mon		***	•••	398	
The mean daily range of temperature duri	ng the r	nonth	•••	$23 \cdot 1$	
The greatest range of temperature in one	day dur	ing the month	•••	30·9 °/°	26th.
The mean humidity during the month	•••	***	***	64 Inches.	
The mean vapour tension during the mon-	th			·489	
The total rainfall of the month	•••		•••	1.69	
The greatest fall in 24 hours	•••		•••	1.65 Days.	10th.
The number of rainy days in the month		•••		2	

A. PEDLER,

For Offy. Meteorological Reporter to the Govt. of India

M ETROROLOGICAL OFFICE, INDIA;

The 5th March 1888.

Results of the Thermometrical Observations taken at the Meteorological Office, Chowringhee, from 26th February to 3rd March 1888.

				TEMPERA	TUEE.			Н	GROMSTRY.	:	
Н ОМТЕ	Date.	•	Mean.	Махітиш.	Range,	Miniteum.	Mean wet bulb.	Vapour tension.	Dew point.	Humidity.	Rain,
1888.					0	•	۰	Inches.	•	%	Inche
February ,,, ,,, March	 26th 27th 28th 29th 1st 2nd 3rd		74·0 77·2 78·8 75·3 71·7 76·4 76·5	90·0 91·5 90·8 87·2 89·2 92·0 93·2	30 9 28 8 24 7 23 3 30 3 28 0 32 3	59 1 62 7 66 1 63 9 58 9 64 0 60 9	63 9 67 9 66 6 62 2 64 1 65 7 64 0	461 -560 -491 -387 -459 -490 -130	56·7 62·2 58·1 51·8 56·6 58·4 51·7	55 60 50 44 54 54 47	Nal

The mean temperature of the se-	ven days	•••	***	76·1
The extreme variation of temper	ature			34·3
The maximum temperature	•••	•••	•••	93.2
The mean relative humidity	••	•••	•••	52
The total fall of rain from 26th	February to	3rd March 1	888	Inches. Nil

The mean temperature and humidity are obtained by applying to the mean of the 10h, 16h, and minimum readings a correction dependent on the range, and derived from the hourly observations at the Surveyor-General's Office, Chowringhee, in past years.

METEOROLOGICAL OFFICE, INDIA;

A. PEDLER,

The 5th March 1888.

For Offg. Meteorological Reporter to the Govt. of India.

MEMORANDUM.

The following summary of results has been deduced from the annexed table exhibiting the vital statistics of the principal Municipalities in Bengal for the week ending 18th February 1888:—

1. That births and deaths were registered in these Municipalities in the proportions per 1,000 of population of 21: and 23:2, respectively, as opposed to 18:4 and 21:9 per 1,000, respectively, in the preceding week ending 11th February, indicating an improvement in the registration of both.

2. That these events were recorded in the highest proportions by the following Muni-

cipalities :-

Seed In Control of	Birt	hs.				Death	r.		
	~ ttrottor	00.00		Ratio per					ntin per mille.
Bali		•••	***	526	Bali				84.2
Darjiling	•••		- * *	52 1	Suburbs of Cal	leutta		•••	35.4
Narainganj	•••	•••		15.5	Gya		•••	•••	32.1
Comillah			•••	42.3	Purncah	•••	***	•••	31.1
Arrah	•••			31.7	Howrah	***	***		30 3
Midnapore	3000	1900		31.0	Scrampore	2000	***		29.4
Ranaghat	***	***	****	29.9	Beau'cah		***	3.00	28.9
Monghyr				29.8					

3. That in comparison with the results of the preceding week, there was a sensible reduction in the death-rate from fever, no variation in fatality from injury, the fatal results from the other diseases exhibiting only fractional differences, and small-pox presenting no death; vide subjoined table:—

						Ra	tio per mille durir	g the weeks ending-
Cholera			 .			19	8th Feb. 1888. 2:7	11th Feb. 1888. 1:8
Small-pox				•••	•••	•••		.03
Fever			•••	***	•••	•••	9.1	10.1
Bowel-complaints		•••	***	***	•••		4.3	3.6
Injury		•••	***	•••	***	***	.2	•2
Other causes	***	•••	***		***	***	6.8	6.1

4 That, referring to the diseases mentioned above, eliminating small-pox, from which, as before stated, no death was reported to have occurred, bowel-complaints and injury, the casualties from which were nowhere noticeably large, cholera, fever, and the maladies coming under the head of "Other causes" caused the greatest loss of life in the following Municipalities:—

Cholera.			Fener.			Other causes.	
	Ratio per mille.			Ratio por mille.			lio per ille.
Bali Howrah Chittagong Suburbs of Calcutta	52·6 11·4 9·1	Beauleah Purneah		23.6 20.8	Gya Puri		16·4 12·6

5. That the mortality referable to Sex, Class and Age, stood as exhibited below :-

According to	Sex.	According	to Cla	88.		Accor	ding to	Ag	<i>t</i> .
	Ratio per mille.			atio per mille.	1			1	Ratio per mille.
Maies Females Ratio of male deaths every 100 female de		Christians Hindus Mahomedans		21·7 23·7 22·3	1 and 5 10 15 20 30 40 50	" 1 " 2 " 3 " 4 " 6	5 years 0 ,, 5 ,, 60 ,, 10 ,, 10 ,, 10 ,, 10 ,, 10 ,,		173·2 24·6 13·5 13·1 14·6 10·0 15·9 17·2 28·4 76·9

R. LIDDERDALE, M.D., Deputy Surgeon-General, Sanitary Commissioner for Bengal.

The 3rd March 1888.

			-																			KOL	MORTALITY		ACCORDIN	DING TO	Į					
				PUPU	POPULATION.	ż			A	BIRTHS.	ی		1							Disease.	9					e i 🗀		-			Sex	ند
	NAMES OF	H UN				Ī	NTERR	BEE OF		RATIO PRB 1,000 OF POPULATION PBE ANNUM.	PRB 1, CLATIONS				DB	DRATHS PROM	-ROM-				RATIO P	PEE 1,000	ANNEN	OF POPULATION	ATION	P.8.4	ni man		Вватиз.	RATIOP 1.000 o POPULA	ATIO PER OPULA- IOS PER	
	PALITHER.			.aelaK	, estanto Y	.fato1	Mahas.	Pomales.	Total.	Males.	Vemules.	Total.	Itatio of male births.	Cholera.	Brint-pox.	Bowel-complaints.	· timini	Other diseases.	-808 TAU IIA			Feerers.		- Aminj	Other disenses.	АП свизез.	raq adhaab lo oitaM en raq noitaluqoq daow enorvarq odi	Males.	Kemales.	Malos.	Penniles.	Ratio of male destins to ever 100 female dearh
Fettdwan	Burdwan	:	'	18,063	16,017	34,080	•	9	15.	1.9	9.6	15.3	8	-	1	21	: -	_	13			18.			1.3	19.8	1.15	10		11.3	0.95	æ
, .	Midnapore	i	-	16,9:7	16,633	33,560	:	6.	62	17.0	13.9 3	31.0	123			er.		142	**			÷	9 1.			13.5	23 2	10	•	12.7	12.2	125
Bughli	Hoghli and Ch	Chinsural	•	19,179 1	19,539	39,718	1	4	ю	1.3	7.0	6.2	52	91				_	=	÷1		13	ė.	•		??	27.1	1 1		27.1	18.6	2
	Serampore	:	:	18,559	12,937	26,496	•	8	7	2.	5.0	13.7	133		-	9			11	5 1.		i		70	i-	1.65	161	10	_	3.17	28.1	111
~		:	:	-	-	5,510	:	91	01			1	32		(A)	-			55				0+	6	-	6.51	9.55	21	:	34.1	:	No female deaths
~ 1	Howrah	ŧ	1	53,153 8	37,680	90,813	13	11	26			-	-	2.3		8		1,1		3 11.1		•	9.9		2.0	20.3	19.5	5 30	23	5.1%	31.3	130
~ !	Bali	÷	:	7,834	6.979	14,815	9	6	12			9.59	63	121		22			21	9.79		- 1	5 3.5		10.2		1.13	1 3	9	† CH :	1.1	390
24-Pergunnahe	Suburbs of	Calcutt		147,205 16	104,234	251,439	12	25	111			53.0	105	- 05	-	*	2	7	11	•	:	13.		6.	ö.	35.	8.5.8	3	12	9.48	1.68	134
_	Kishnaghur	:	:	Ξ_		27,477		7	22			1.85	1 1			e,				: 	•	17.0	1		'n	7	13:3	71	2	15.7	57.3	03
Nudden	Ransgiat	÷	i		4.655	8,483	eo -	91	10			6.65		•	:		•	:	1	Ē.	:		# 80		:	ŧ	7	; ;	:	1	1	1
	Santipore	:			15,979	29,637	က	-	•	?1 10	- 2	2:	, ine	-	3	*1	; ;			;	:	in	17	;	-		11.	**	- -	15.5	?; ;;	9
Jesuore	ressore	:	:	-	3,645	8.495	7	-	**	1.9		21		•	7.0 131	21			15 G	: :		12.2	71	3		15.5	1.9	-	-	S. 11.3	9	1
:	Darilling.	5 52	ï		627.	19.791	× 0	99	•	-			1.0	-	5.T	:			-		;	25			ī.		á			11.0	5	37
90116270	Dagge	:			7.5.5	7,976	9 (21	v.			1 20		:		01	:		5 16 #2	:	200	13	0.21			152	13	2		5.0	e t	306
Daces	-		:		81010	50,161		2. 1	2			; ;		**		:		•	a d	:	:	?	:		^	21	1	<u>-</u>	•	**	1.11	73.1
Chittagong		: :	:	18,340	8,730	12,561	* 10		= °	2.11		7	13 1		:	01 0	:			; is	:	r 6		1	-		16.4			13.	2 1	S
Fipperah	Comilian			s.1.23	5,353	13,506	67	20	-			15.3	120	•	:									: :::2 ::::2			11.1					25
Petns	Patna City	:		78,744	41.475	180,237	7	55	45	ž.		14.6	111			1		1						,			11			11 7	12.1	124
efy			4	0.55.8	87,531	74,121	?!	3	33	0.23	13.7	25.4	119	23		9		71	÷	51		10.0	71	-		0.5.0	5.53		51	. 10	21 3	11.3
Shahabad			:	20,(4/1)	\$2,535	43,465	15	:	7	6.21	10.7	2.12	107		117	1-	1		, 1			•	+	71	i-	10.1	7.27		, n	711	7	75
Movufferpore	Nornferbore	:		28,084	10,658	42,742	t•	27	30	5.5		1	33.5	-		:				·				v		: ::		e e Chi	13	2.9	13.15	09
Dur' Leren.		:	:	33,774	32,325	965,696	12	:5	92	11.5	16.5	75.7	7.				:	-	***	:	0 S	6	70	,	Ξ.	₹.0a	71	21	#:		0.45	91
Ser	ch.pra		•	26,044	11.203	53.249	10	94	7	6.4	7.		. 22		75.7	21					:	-	1.0	7.	1.0	5 2			21	.,	3.5	500
Bhygulpore	Bagulpore	:	:	27,640	27.513	57,453	11	1	8	12.4	10.5	57.3	111			22			oi 	77		11.5	31		5.1	7 77	19.0	0 15	•	20.3	6.11	187
Nonehyr	-		i	-0.00	20,366	67,520		61	53		17.1	. s.ec	53	- 6 **(#1		01				-1		•		7	i.	10.8	15.1	1 11	=	29.3	19.2	100
Purreah			:		6,553	15,016	н,	1	71	-+ (*)		1	No female		·	9	71			3		20.5		74	8.	31.1	6.51	9	24	13.0	15.9	353
Pari		:	ī	18,247	11,657	16.19	- 1	9		ī,	9.51	14.7	16		 :		-	,	9	61	-	61	91 	1.51	9.51	0.12	10.8	• •	9	9.61	27	<u> </u>
		TOTAL	:	202,890 6	619,691	1,322,581	569	266	523	10.0	16.4	0.12	101	1 69	1 .,	111		173	13	12	1:	1.6		1.7	6.9	23.5	6.18	6.	1 88	10.53	123	121

										-	-																			
														Ħ	MORTA	LILY	ACCOR	ACCORDING	10					N	N					-
							0	Class														Age.								
		-		A	ВАТИВ	DEATHS AMONG-	1	R	TIO PE	RATIO PER 1,000 OF POPULA- IION PER ANNUM.	P POPU	1.4.				DEA	DEATHS.						'RATIO	IIO PER	PER 1,600 OF 1	POPULATION PER		ANNUK.		
DISTRICTS.	NAMES OF MUNICA-	TIRE		,ensitsizi	.knbni	nhomedaun.	indelhists.			-мирошоција	Buddhists.	High classes.	Under I year.	and under 5 years.	GI and under 01	og roban ban dl	og nord under de	to read under to	- Sirey - Sirey 100 Tohun bun ud	-du ban sang ea	, strinw	Under I year.	and under 6 years.	years.	yours.	20 and under 30	Series.	years.	years. 50 and under 60 years.	
	_		-	(C)		- -	- -		1			-	1-			1	8	01	-	***	21	-		-	20.7	-	1 4.6	_	8.11	*
Bardwan	Burdwan	:	-	:			:	<u>.</u>	15.3	1 3	1	:				_		01		-	91		1.53			16.5	7.	18.8	. 22-2	91
Midnapore	Midnapore	:	1	;	i-	,	: -	•	1.0	-	:	:	. 07				•	7	-	-	ma E. E				; :::=	-		7.4	. 15.9	c.
Reghli	Hughli and	Chinsurah	:		.	, ,	: :	: 		-	: :	: :		:	1.		:	21	7	-	-	-		20.1	4.37	-	_		15.4 27.2	63
	Serambore	:	:	:	14		: - :	<u>-</u>	9					-			;	-		-		_	123.5		-	_		0.65	-	
Bernmpore	Utterpara	:	:	:	01	;	:	:			:		6	2		· ·	s)	9	13	10	60	0.		16.2	39.2	1 36.4			23.1	*
	Howrah	:	:	:	01	=	:	: :			:	:		-			-		, K	0	65	8.283		5.3					134.3	6
Howrah	Beli	:	i	ï	53	-	<u>.</u>	: '	200		:	;	8	1		- a	96		. 2	2.5	-	\$02.6	1 13	9.83	- 71			-	0.95	0
24-Pergunashs	Suburbs of Calcut	Bleufts	:	'n	100	3	•	:	35.2 34.1			:	•		-	_		72				419-4	1.16			H. 3	-	**	15.9	
	Kishonghur	:	:	 i	o,	9	: :	:	ī	6 87	:	:			:				•					-				•	- -	
Muddes	Ranaghat	:	;	i	 :	:		: :	: 	:	:	:		 !		-	_				50			19.7		_				p
	Santipore	:	:	i	'n	:	:	1 -	12.6		:	:		:	: 		:	:	-		N	 !	:				•••••			7
	Jestore	•	1		:	91	1	:	: -	21.73	:	:	:	:	:				;	-				3	•	! ' 	6 9 (•		817
5	Rampore Be	ulosh	T :	:	9	0	 :		31.5	5 - 26.5	:	:	-		; 2)	:			-	-		1.55.1	7-98	0.02	: 	- !	0.00	* * *		
	Designing				8	7		-	33.5	1.48 8	:	:	:	-	:	:	:	21	-	:	-	-	608					_	_	
Sumfave	Dacca	: : : :	1	1 1	10	6.	-	:	13.9		:	:	1 0	-	8	61	17.000	:	1	-	es .	137.0	r I	15.7	13.1	14.5	· ·			•
Dacca	Narsingani	:	:	;	0	01	-	:	9.4.6		:	:	 N	_	:	:		:	: '	-		0				: *	5.00	- S. 146	-	
Chittagone	Chittagong	:	-	:	•	40	•	-	82.8		:	:	 : '		:	: '	-	•	, ,	:					•					
Cincersh	Comillah	:	i	:	63	20	-		17.5		:	:	- ;	•		>1	: '	1	-	:		1 0 1	80							14.7
The same	Patna City				88	80	:	· :	0.41	0 10.3	:	:	2	.	-	:	N	70	ic.	4	22	5.141	17.8			-	50.0			9.15
	Gya				8	80	; :	1	83.8	8 22.8	:	:	a				٥٠	on .	0	4		5.192	9.43	:	1.1	5.				9.65
	Arresh				7	9	•		18.	12.6	:	:	-	04	-	:	-	:	:	 01		1.01	13	101		:		 	-	16.0
	Mounffermore		:	:	•	10	-		2.5	S.03	;	:	8	;		:	!		1	1		163.4		11.6				* '		
Manuforpore		:	:	:	,	-	_		21.2	37.8	:		່ວ	00	9	2 1		-	21	:		1.006	5.03	6.68	5 51	6.21	-	4.4		
Harbhangs	Durbhanga	:	:	1	3	,	· -	: :	-			-		1		:	:	-		1			8.6	Ŧ.8	-	- -		1.9	# 	18.3
-	Chapra	:	i	:	10	-	:	:	-		:	:	07	M.		-		7	N S			130.6	0.57	17.7	16.2			9.9		*
Pasiralpars	Bhagulpore	:	į	-	50	09	: 	- 13	292 1.65	-	:	:					_	-	٥		•	140.1	1.96	_		27.2	2.0		_	262
The state of the s	Monghyr	:	ī	;	1	8	: -		16.3	-	:	:	•	,								_	<u> </u>	5.65	_	-	31.7	2.52	0.111	0.
1	Pursonh	:	i	;	9		; ;	!	-	27.3	:	:	:	:	:		, ,	,								0.53	8.6		15.6	8.83
	Į	:	ī	,,	6	:	<u> -</u> :	21	respectly	_	:	:	-1	ļ	+	13	1 8	-	- :	1:		1 0.01	1,		1	1.	10.0	<u> </u>	1	188
100 · · · · · · · · · · · · · · · · · ·	1.00	Thomas a	_		417	168		2	21.7 23.7	848		-	-	250	24	-	-		2	-1	-	201	7.67		101					

PUBLIC WORKS DEPARTMENT, IRRIGATION BRANCH, BENGAL.

SOUTH-WESTERN CIRCLE.

ORISSA COAST CANAL SYSTEM.

LENGTH OF CANAL OPEN, 973 MILES.

Statement showing Quantities of Goods carried during the month of January 1888.

		т	OTAL GOVERNMENT	AND PRIVATE.		Priv	ATE.	٠
umber of boats or rafts.	DESCRIPTION.		Quantity - Tons.		Value.	Quantity,	Value.	4
12.2.		Up.	Down,	Total.	Rupees,	Tons.	Rupees.	REMARKS
411	1. Grain	3,709	633	4,342	1,45,978	4,342	1,45,978	1
	2. Cotton							
1	3. Oilseeds	14		14	800	14	800	
21	4. Salt	64	161	225	15,925	225	15,925	
12	5. Piece-goods	******	20	20	13,200	20	13,200	
	6. Metal				100			
2	7. Building materials	*****	8	8	128	8	128	
878	8. Miscellaneous	265	286	551	52,787	551	52,787	
22	9. Fuel	-0.0	373	373	5,273	373	5,273	1
raft	10. Timber	56 c ft.	4.0	56 c ft.	48	56 c. ft.	48	
rafts	11. Bamboos	400 ,,	450 c. ft.	850 ,,	83	850 ,,	83	
,347 &	12. Total	4.052 &	1,481 &	5,533 &	200000	C 5.533 &)	
6 rafts	12. 100	456 c. ft.	450 c. ft.	906 e. ft.	32,34,222	5,533 & 906 c ft	32,34,222	
899 &	13. Total of same	2,581 &	306 &	2,887 &	1,07,254	2,880 & 973 e. ft.	1 07 199	
0 rafts	month last year	448 c. ft.	525 c. ft	973 e, ft.	1,01,201	₹ 973 e. ft.	31,07,123	
		Up.	Down.	Total,			Rs.	۸.
. Total	number of boats plying					ge of ment		
car	go No	67.4	673	1.347	24+25+		6,665	9
	number of boats ply-	- 1				lage of s		- 20
	passenger No.	58	56	114	month la	st year	3,003	9
. Total	registered tonnage,					THE COLUMN TWO IS NOT THE COLUMN TWO IS NOT		
car		8,755	5,391	14,146	_		2012an	
. Total	registered tonnage,	00-			M	emorandum o	f Tollage.	
	senger Tons	825	671	1,496				
. Ton m		227,518	151.881	379,399				
	ated value of cargo Rs.	1,55.211	78,880	2,34,091	1	82	Rs.	A.
. Numb	er of passengers No.	2,1.2	1,003	3,175		e not recove		
	bamboos c. ft.	400	450	850		the 1st of		, .
	bullahs ,,	56		56	mon		5 614	
	ated value of rafts Rs.	2.550.1.2	53	131	2. Tollag	e per month	6,665	9
	ge on boats ,,	3,550-4-3	2,274-5-3	5,824-9-6		m ·	11: 000	
. Compo		499 10 0	400 11 0	00* * 0	3.	Total	12,280	8
Dou Tallas	140	433-10-9	403-11-0	837-5-9	4. Amour		nto	
	ge on rafts ,,	2-2-0	1-8-0	3-10-0	110000 20000	ury during t		~
	tollage on boats per		i	WW.	mont	lı .	6,879	7
	mile Pie-	•••••		2.94		1	,	
	tollage on rafts per cubic feet R.	1		0-6-4		o due at the e month	- 101	٥
11111				11 6 .1	4 144	COMMITTE	0,401	1.7

Abstract for the month of January 1888 as compared with the corresponding month of the previous year.

•		188	7-84.	1596	-57.
×		During the month.	To end of the month.	During the month.	To end of the mouth.
	•	Rs. A. P.	Rs. A. P.	Rs. A. P.	Ra. A. P.
Tollage		6,665 9 3	41,877 3 0	3,063 9 3	19,817 3 6

CALCUTTA,
The 6th March 1888.

A. D. McArthur, Major, R.B. Under-Secretary to the Government of Bengal.

CIRCULAR AND EASTERN CANALS.

Approximate return of traffic for the week ending Saturday, the 3rd March 1888, as compared with the corresponding week of the previous year.

			NDING SATURI ED MARCH 1888		WEEK ES	CDING SATURI TH MARCH 1887	AY, THE
Nature	OF CABGO.	Number of boats.	Weight of enrgo.	Tollage.	Number of boats.	Weight of cargo.	Toilage.
***		No.	Mds.	Rs.	No.	Mds.	Rs.
Rice and paddy Jute Firewood Other articles		 2,104 106 227 1,161	4.70,150 45,125 1,11,015 2,79,440	8,850 986 1,877 4,509	1,380 78 173 1,118	3,53,951 56,479 1,35,637 3,00,465	6,251 1,060 1,862 4,588
	Total	3,598	9,05,730	16,222	2,749	8,46,512	13,761

Weekly Return of Traffic Receipts on Indian Railways.

EAST INDIAN RAILWAY.

Approximate Return of Traffic for week ended 25th February 1888. in 1,513, miles over

	COACHING	TRAPPIC.	MERCHANDISE TRAI		Other earnings	Total	TRAFFIC	TRAIN-MIL	es Rux.
	Number of passengers.	Conching records.	Weight carried.	Receipts.	(estimated).	carmings.	Ceaching.	Merchan- dise.	Total.
		Rs. A. P.	Mos. s.	Ro. A. P	Rs. A. P.	Rs. A. P.			
oral traffic for the week Or per mite of railway For previous 7 weeks of half-	266,540	3,11,355 5 0 205 11 0	29,13,361 0	7,08,611 15 3 468 1 10		10,40,870 12 7 687 9 4		110,718	177,181
уныг	1,890,314	22,31,453 2 0	1,96,65,426 30	47,12,130 3 9	1,47,318 10 0	70,93,881-15 9	464,1525	741,957}	1,206,100
Total for S weeks COMPARISON.	2,150,454	25,45,788 7 0	2,25,79,787 30	51,20,712 3 0	1,68,182 2 4	81,31,712 12 1	5 10 165	852,656	1,383,283
Potal for corresponding week of previous year Per mile of railway corresponding	285,7404	3,10,402 7 0	26.95,418 20	7,05,360 5 0	17,715 0 1	10,33,477 12	67,001	111,190	178,28
week of previous year Fotsl to corresponding date of		264 14 2		465 9 4	11 11 1	682 2 3	,		
pravious year	2,006,131	23,73,534 0 8	2,12,03,063 10	54,44,963 2 4	1,50,601 8 9	79,69,668 11 3	517,673	886,046	1,433,11

Approximate Statement of gross receipts of the East Indian Railway, prepared in accordance with Public Works Department Circular No. XXI, Railway, dated 23rd July 1883.

Tota	Total	M 187 BRUAFY	L RECKIPTS PRO 1887 TO 25TH FL 1888,	TOTA APUL, I		L RECEIPTS FRO 886 TO 261 H FE 1887.			S POR WEEK FEBRUARY 1:			IS POR WEEK FEBRUARY	
decrease in 1888	Increase in 1888.	Per mde worked per week.	Total receipt.	Mean mileage worked,		Total receipts.	Mean mileage worked.	Per mile worked,	Receipts.	Mean mileage worked.	Per mile worked	Receipts.	Mean mileage worked,
Rs.		ICH.	Кя,		Rs.	Rs.		Rs.	Rs.		Rs.	Rs.	
6,40,569	*****	584	4,16,07,4.7	1,5162	593	4,22,47,986	1,515	css	10,40 831	1,513	682	10,33,478	1,515

PATNA-GYA STATE RAILWAY.

Approximate Return of Traffic for week ended 25th February 1888, on 57; miles open.

	Coaching	Тваррі	.		APD MINERAL PRIC.	Other earnings	Total	TRAPFIC	TRAIN-MILI	RN RUK.
/2007 I STOWN	Number of passengers.	Coachi receipt		Weight carried.	Recorpts.	(commated).	earnings.	Coaching.	Merchan-	Total,
		Rs.	A. P.	Mps. s.	Rs. A. P.	Rs. A. P.	Rs. A. P.	1		
Total traffic for the week Or per mile of railway For previous 7 weeks of half-	14,943 261	8,094 141	3 0 8 1	25,625 20 446 10	1,805 8 0 52 1 5	50 12 0 0 14 3	9,980 7 0 174 7 9	1,834	560	2,304
year	93,794	51,653	14 0	2,40,566 0	15,141 0 0	253 0 0	67,047 11 0	12,822	4,164	16,030
Total for 8 weeks	108,737	59,748	1 6	2,64,001 20	16,976 8 0	303 12 0	77,028 5 0	14,656	4.724	19,380
COMPARISON.				2						
Total for corresponding week of previous year Per mile of railway correspond-	14,433	7,887	13 11	87,758 10	8,641 10 3	50 8 3	11,580 0 5	1,684	1,237	5'811
ing week of previous year	252	137	14 5	1,531 10	63 10 S	0 14 1	202 7 2		******	
Total to corresponding date of previous year	106,977	57,358	5 9	4,19,159 10	25,419 12 3	466 0 6	85,244 2 6	11,032	6,860	26,802

Approximate Statement of gross receipts of the Patna-Gya State Railway, prepared in accordance with Public Works Department Circular No. XXI, Railway, dated 23rd July 1883.

	s por werk February			S FOR WEEK FEBRUARY 1		ΛI	L RECEIPTS FRO PRIL 1886 TO 26 FEBRUARY 1887	TH	A	L RECEIPTS FR. PRIL 188, TO 2 PERRUARY 1888	6,	Total increase in	Total degreese in
Mean uileage worked.	Receipts.		Mean milence worked.	Receipts.		Mean milesge worked.	Total receipts.	Per mile worked per week.	Menn milenze worked.	Total receipts.	Per mile worked per week.	1888.	1858.
673	Rs. 11,580	Rs. 202	57k	Bs. 9,980	Rs.	57}	Rs. 4,85,844	Rs. 181	573	Rs. 4,56,0,3	Ra. 170	pri, -1	Rs. 29,768

DILDARNAGAR-GHAZIPUR STATE RAILWAY.

Approximate Return of Traffic for week ended 25th February 1888, on 12 miles open.

Park Market	Солспін	TRAFFIC.	MRECHANDISE A	IND MINEBAL	Other earnings	Total earnings	TRAPPIO	TRAIN-MILI	B RUX.
	Number of passengers.	Receipts.	Weight carried.	Receipts.	(estimated).	Total Carmings.	Coaching	Merchau- disc.	Total.
		Rs. A. P.	MD8. 8.	Rs. A. P.	Ru. A. P.	R4. A.P.			
Total traffic for the week Or per mile of railway For previous 7 weeks of half-	2,939	48G 7 0 40 8 7	26,881 0	6-9 9 0 55 12 9	9 8 0 0 12 8	1,165 8 0 97 2 0	3121	151	493
764T	21,553	3,700 10 0	1,56,517 20	2,008 1 0	72 11 0	6,681 6 0	2,3731	1,081	3,454
Total for 8 weeks	24,492	4,187 1 0	1,83,398 20	8,57; 10 0	82 3 0	7,846 14 0	2,716	1,282	3,948
COMPARISON.									
Total for corresponding week of previous year Per mile of railway correspond-	3,317	535 11 2	26,058 0	704 5 0	11 11	1,271 11 2	1.56	137	498
ing week of previous year . Potal to corresponding date of		46 4 11		68 11 1	0 15 7	105 15 7	w.		*****
previous year	24,4264	4,091 1 7	1,76,512 30	4,411 15 0	48 15 3	8,501 16 10	2,780	1,236	4,015

Approximate Statement of gross receipts of the Dildarna gar-Ghazipur State Railway, prepared in accordance with Public Works Department Circular No. XXI, Railway, dated 23rd July 1883.

Total	Total	TH	RECEIPTS FROM PRIL 1887 TO 25 FEBRUARY 1888	A	или:	L RECRIPTS FRO PRIL 1886 TO S PERRUARY 188			TS FOR WERK FEBRUARY			'S FOR WEEK L'FEBRUARY	
decrease is	inecouse in 1888.	Per mile worked per week,		Mean mileage worked.		Total receipts.	Mean miletiste worked.		Receipts.	Mean milenze worked.		Receipts.	Mean mileuge worked.
	Rs.	Rs.	Rs.		Rs.	Rs.		Rs.	Rs.		Rs.	Re,	
317		77	43,375	12	78	43,692	12	97	1,166	12	106	1,272	12

SINDIA STATE RAILWAY.

Approximate Return of Traffic for week ended 25th February 1888, on 74; miles open.

-	COACHING TRAPPIC.			MERCHANDISK AND MINERAL TRAFFIC.				Other earnings	(Total aux	TRAFFIC TRAIN-MILES RUN.			
	Number of passengers.	Receip	ts.	Weight carried.		Receipts.		(estimated).	Total earnings.	Coaching.	Merchan- dise.	Total.	
		Rs.	A. P.	MDs.	8.	Ks. A.	P.	Rs. A. P.	Rs. A. P.				
Total traffic for the week Or per mile of railway For previous 7 weeks of half-	6,633	4,593 61	9 6 6 7	99.791	10	5,353 12 71 9		132 0 0	10,059 5 0 134 7 9		2,118}	2,774	
year	33,638	25,263	14 0	6,14,464	6	30,678 7	0	764 6 0	56,706 11 0	4,6041	10,966	15,571	
Total for 8 weeks	39,271	29,857	7 0	7,14,255	10	36,032 3	0	876 6 0	66,766 0 0	5,2601	13,685	18,845	
COMPARISON.													
Total for corresponding week of previous year Per mile of railway correspond-	6,096	4,118	2 5	1,04,960	20	4,932 1	0	100 14 6	9,231 1 11	7:0	1,327	2,077	
ing week of previous year		56	2 0		-	65 15	0	1 5 7	123 6 7				
Total to corresponding date of previous year	46,1501	34,030	13 10	8,66,315	30	44,054 15	0	785 11 9	79,771 8 7	6,181	10,212	16,893	

Approximate Statement of gross receipts of the Sindia State Railway, prepared in accordance with Public Works Department Circular No. XXI, Railway, dated 23rd July 1883.

	IS FOR WEEK I FEBRUARY			TS FOR WEEK FEBRUARY			A PRIL 1856 TO 2 PEBBUARY 188	втн	A	LL ERCRIPTS FEC PRII, 1887 TO 25 PEBRUARY 1888	LH	Total	Total
Hean initence Forked.	Receipts.	Per mile worked.	Mean wileage worked.	Receipts,		Mean mileage worked.			Mean mileage worked,	Total receipts	Per mile worked per week,	increase in 1868.	48Crewar 1 1888,
743	Rs. 9,231	Rs. 123	741	Ra. 10,059	Rs. 184	742	Re. 3,84,565	Re. 105	742	Rs. 4,01,872	Rs.	Ra. 36,807	

TARKESSUR BRANCH RAILWAY.

Approximate Return of Traffic for week ended 25th February 1888, on 221 miles open.

	COACHING	TRAPPIC.	MERCHANDISE TRAI		Other earnings	Total	TRAFFIC	TRAIN-MILE	BRUE,
	Number of passengers.	Receipts.	Weight carried.	Receipts.	(estimated).	earmings,	Coaching.	Merchan- dise.	Total.
		Rs. A. P.	MDs, 8.	Rs. s. r.	Rs. A. P.	Rs. A. P.			
foral traffic for the week for per mile of railway for previous 7 week of half- year	20,474 1,45,789	5,186 11 0 233 1 9 37,486 15 0	10,892 0 57,637 0	358 4 0 16 1 7 1,918 1 0	4 0 0 0 2 1 40 9 0	5,548 15 0 249 6 3 39,445 9 0	890 6,356	78 553	968 6,908
Total for 8 weeks COMPARISON.	1,66,263	42,673 10 0	68,529 0	2,276 5 0	44 0 0	41,004 8 0	7,216	630	7,876
Total for corresponding week of previous year Per mile of tailway correspond- ing week of previous year	31,735}	8,851 13 1 897 13 4	10,992 10	381 1 0 17 2 0		9,242 9 10 415 6 4		67	1,100
Total to corresponding date of previous year	1,63,610	42,138 1 7	66,543 30	2,071 2 0	52 9 3	44,261 12 10	7,816	360	8,206

Approximate Statement of gross receipts of the Tarkessur Branch Railway, prepared in accordance with Public Works
Department Circular No. XXI, Railway, dated 23rd July 1883.

BECRIPT 26TH	s por wrrk February	ENDING		FEBRUARY		Δι	RECEIPTS PROPRIE ISSE TO 261 EBRUARY 1887.	H	Δ	L RECEIPTS FRO PRIL 1887 TO 251 FEBRUARY 1888	101	Total .	Total
Mean mileuse worked,	Receipts.	Per mile worked	Mean mileage worked.	Receipts.	Por mile worked,	Mean mileage worked.	Total receipts,	Per mile worked per week	Mean mileage worked.	Total receipts.	Per mile worked per week.	1858.	decrease in 1888.
221	Rs. 9,243	Rs.	22}	Rs. 5,549	Rs. 249	291	Rs. 2,20,961	ks. 211	22}	Rs. 2,38,182	Rs. 228	Rs. 17,218	

EASTERN BENGAL STATE RAILWAY.

(INCLUDING N. B., DACCA, K. AND D., AND ASSAM-BEHAR SECTIONS). Approximate Return of Traffic for week ended 18th February 1888, on 676 miles open.

	COACHIN	g Trapfi	c.		MERCHANI T		AND MIN	FRA		Other earn			Tota	1		TRAFFIC	TRAIN-MIL	es nun.
	Number of passengers.	Coachi			Weight carried,		Receip	ts.		inchuira Steam-bo			earnin	KN.		Coaching.	Merchan. disc.	Total.
		Rs.	A. F		Mos.	8.	Rs.	٨. :		Rs. A	. P		Rs.	4. F				•
otal traffic for the week	121,822 180	69,576 103	0		5,18,578 767		90,261 134			13,617 6	0 (1,72,854 239			23,000	21,000	44,000
or previous 6 weeks of half-	743,667	4,19,262	0	0	\$1,86,301	0	5,97,949	0	0	86,807 (0	1	1,04,018	0 (0	131,064	132,703	263,76,
Total for 7 weeks	865,489	4,88,838	0	0	37,04,879	0	6,88,210	0	0	99,824 () 11	1	2,76,872	0 1		151,061	153,703	367,765
COMPARISON.				1								Ì			i			
Total for corresponding week	156,562*	79,407	0	0	5,07,093	0	86,867	0	0	13,218) (,	1,79,492	0 (0	20,578	22,061	42,639
or mile of railway correspond-	258	131	0	0	837	0 .	143	0	0	3 (0 0	1	277	0 (u l			
previous year	974,190	4,61,251	0	0	38,69,545	0	6,34,536	0	0	89,304	0 0	1	1,88,001	0 1	0	139,792	154,987	291 77

- Due to Jubillee. † Excluding steamers' earnings.

FINANCIAL YEAR.

Approximate Statement of gross receipts of the Eastern Bengal State Railway.

19TH	S FOR WERE	ENDING	RECEIPT 18TH	FEBRUARY	ENDING	Δ	RECEIPTS PROPRIE 1886 TO 19 FEBRUARY 1887.	ти	Ar	RECRIPTS FROM	TII	Total	Total
tan esge rked.	Receipts.	Per mile worked.	Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked	Total receipts.	Por mile worked per week,	Mean musace worked.		Per mile worked per week,	increase in 1887-88,	decrease ii 1887-∂8,
4	Ra,	. Ra.		Ra.	Rs.		Ra.	Rs.		Rs.	Rs.	Re.	
08	1,79,482	296	676	1,72,854	256	600	74,93,161	260	645	85,65,337*	289	10,72,176	

EASTERN BENGAL STATE RAILWAY.

(INCLUDING N. B., DACCA, K. AND D., AND ASSAM-BEHAR SECTIONS.)

Approximate Return of Traffic for week ended 25th February 1888 on 676 miles open.

	COACRIN	o Traffi	c.	MERCHANI	TRA	AND MIN	ERAI	(estimate	ul),	Total earn	ince	TRAFFIC	TRAIN-MIL	RS RUN.
	Number of passeagers,	Coach receip		Weight carried.		Recei	nts.	Steam-bo		Jonat carr	шқо.	Coarbing.	Morchan- dise,	Total.
		Rs.	A. P.	Mps.	s.	Rs.	A. P.	Re.	4. P.	Rs.	A. P.			
Total traffic tor the week Or per mile of railway	127,915 189	79,413 117	0 0	9,91,031 1,466		1,06,551 158	0 0		0 0 e 0*	2,08,767 285		22,780	25,139	47,919
Por previous 7 vocks of half- year	865,489	4,58,838	0 0	37,04,879	0	6,88,210	0 0	99,824	0 0	12,76,872	6,0	154,064	153,703	307,767
Total for 8 weeks	993,3-4	5,68,251	0 0	46,95,910	0	7,91,761	0 0	1,92,657	0 0	14,85,639	0 0	176,844	178,842	355,080
COMPARISON,														
Total for corresponding week of previous year Per mile of railway correspond-	136,111	76,453	0 0	10,46,207	0	99,584				1,94,223		19,825	22,210	42,04
ing period of previous year fotal to corresponding date of	225	126	0 0	1,726	0	164	0 0	7	0 0.	297	0 0			*****
previous year	1,110,304	5,40,701	0 0	49,15,752	0	7.34,120	0 0	1,07,490	0 0	13,82,314	0 0	159,617	177,208	\$36,82

[·] Excluding Steam-bout carnings.

FINANCIAL YEAR.

Approximate Statement of Gross Receipts of the Eastern Bengal State Railway.

	S FOR WEEK			TS FOR WEEK H FEBRUARY			RECEIPTS FRO 1886 TO 26TH F ARY 1887.			RECEIPTS FEE 1887 TO 25TH F APA 1887.			
Mean mileage worked.	Receipts.	Por mile worked.	Mean mileage worked.	Receipts.	Per mile worked	Mean mileage worked,	Total receipts.	Per mile worked per week,	Mean mileage worked.	Total receipts.	Per mile worked per week.	Total increase in 1887-88.	Total decreas in 1887-88.
908	Da. 1,94,223	Rs. 320	676	Rs. 2,08,767	Rs. 309	605	Rs. 76,87,384	Rs. 270	646	Rs,	Rs. 289	Rs. 10,96,786	

[.] Audited up to \$1st December 1887.

BENGAL CENTRAL RAILWAY. Approximate Return of Traffic for week ended 18th February 1888, on 125 miles open.

	COACHING	TRAFFI	c.	MERCHAN		PPIO.	NEI	RAL	1	rning	N Total er			TRAFFI	C TRAIN-MIL	RS RUK.
*	Number of passengers.	Coach		Weight carried		Roce	pti		(estim	sted).	Totale	rnin		Coaching.	Merchan- dise.	Total
		Rs.	▲. P.	MD8,	6.	Rs.	▲.	P.	Rs.	A. P.	Rs.	۱.	P.			
Total traffic for the week Or per mile of railway	23,325 187	8,894 71	0 0	53,804 430		5,140 41			50 1	0 0	14,08			3,801	1,700	5,21
For previous 6 weeks of half-	141,728	52,027	0 0	2,66,871	0	24,847	0	0	300	0 0	77,204	0	0	21,004	10,256	81,25
Total for 7 weeks	165,051	60,921	0 0	3,20,673	U	20,987	0	0	340	0 0	91,288	0	0	24,505	11,965	36,47
COMPARÎBOS.														•		
Total for corresponding week of previous year	27,933*	10,029	0 0	35,470	0	2,622	0	0	82	0 0	12,785	0	0	8,739	1,703	5,44
Per mile of railway correspond- ing period of previous year	223	80	0 0	284	0	21	0	0	1	0 0	105	0	0		A1111	,,,,,,,
Potal to corresponding date of previous year	168,093	62,779	0 0	1,95,750	0	12,748	0	0	380	0 0	75,907	0	0	26,033	11,489	87,47

[·] Due to Jubilee.

FINANCIAL YEAR. Approximate Statement of gross receipts of the Bengal Central Railway.

RECEIPT 19TH	FEBRUARY	RNDING 1887.		TS FOR WEER I FEBRUARY			L RECEIPTS PROPRIE 1886 TO 18 FEBRUARY 188	HI	A	L BECEIPTS PROPRIL 1887 TO 18 FEBBUARY 1888	TH	Total	Total
Mean mileace worked.	Receipts.		Mean mileage worked,	Receipts.	Per mile worked.	Mean mileage worked.		Per mile worked per week.	Menn mileage worked,	Total receipts.	Per mile worked per week.	increase in 1887-88.	decrease to 1887-88.
125	Rs. 12,733	Re. 102	125	Rs. 14,084	Ra.	125	Be: 5,04,897	Ra. 88	125	Re. • 5,86,521°	Ra.	R4. 81,654	_

Audited up to week ending 24th December 1887

BENGAL CENTRAL RAILWAY.

Approximate Return of Traffic for week ended 25th February 1888, on 125 miles open.

	Содсити	g Trappi	c.	MERCHANDISK TH	AND MINERAL AFFIC.		The management of the second	TRAPPIC	TRAIN-MIL	ESRUK.
	Number of passengers.	Coachi recenp		Weight carried.	Receipts.	Other earnings (estimated).	Total carnings.	Conching,	Merchan- diso.	Total.
	25,221 202	Rs.	A. P.	Mps. s.	Rs. A. P.	ks. A. P.	Rs. A. P.			
Total traffic for the week Or per mile of railway For previous 7 weeks of half-		9,614 77	0 0	51,089 0 309 0	4.960 0 0 40 0 9		14,627 0 0 117 0 0	3,301	1,909	, ,9 10
year	165,051	60,921	0 0	3,20,675 0	29,987 0 0	380 0 e	91,288 0 0	24,505	J1,905	36,470
Total for 8 weeks COMPARISON.	190,272	70,535	0 0	3,71,763 0	34,947 0 0	433 0 0	1,05,915 0 0	27,866	13,874	41,680
Total for corresponding week of previous year	*31,988	•11,140	0 0	85,408 9	2,613 0 0	64 0 0	13,817 0 0	3,1%	1,721	5,210
ing period of previous year	*31,988 256	80	0 0	283 0	21 0 0	1 0 0	111 0 0			
fotal to corresponding date of previous year	200,081	73,919	0 0	2,31,158 0	15,361 0 0	414 0 0	89,724 0 0	29,522	13,160	42,68

Includes 7.640 Suburban tickets and hadage of mails for 2 months.

FINANCIAL YEAR.

Approximate Statement of gross receipts of the Bengal Central Railway.

	B FOR WEEK FEBRUARY			S POR WEEK FEBRUARY			L BECEIPTS PRO 1886 TO 26TH ARY 1887.			L RECEIPTS PRO 1887 TO 25TH E ARY 1888.		Total	Total
Mean nileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Recoipts.	Per mile worked.	Mean mileage worked.	Total receipts.	Per mile worked	Mean unleage worked.	Total receipts.	Per mile worked.	Increase in 1887-89.	decrease in 1897-88.
125	Rs. 13,817	Rs.	125	Rs. 14,627	Rs.	125	Rs. 5,18,714	Rs. 88	125	Rs.	Rs.	Rs. 81,212	Ra.

[·] Audited up to week ending 31st December 1887.

DACCA STATE RAILWAY.

Approximate Return of Traffic for week ended 18th February 1888, on 86 miles open.

	Coacilla	G TRAFF	IC.	Muchan		AND MIN	ila Selia	-	Other ear		Total en	-	nev	TRAPPIC	TRAIN-MILI	SS RUK.
	Number of passengers,	Coacl recei	ing	Weight carr	ried.	Recei	pts.		(estimat	ed).	T () Car Fa	110	uga,	Coaching.	Merchan- dise,	Total
		Rs.	A. P.	MDs.	8.	Rs.	A. F	.	Rs.	A. P.	R*	۸.	P.			
Potal traffic for the week Or per mile of railway For previous 6 weeks of half-	12,473 145	4,092 48	0 0			1,229	0 0		30	C 0	5,351 62	0		2,141	903	3,10
Jest	82,344	32,176	0 0	1,18,977	0	10,481	0 (1	296	0 0	42,953	2	0	12,295	5,629	17,924
Total for 7 weeks	04,817	36,268	0 0	1,27,623	0	11,710	0 0	-	326 (0	48,304	0	0	11,496	6,593	21,09
fotal for corresponding week of previous year	13,560	4,611	0 0	18,170	0	2,123	0 0		451 0	0	7,085	0	0	2,076	934	5,010
ing period of previous year	158	. 52	0 0	211	0	25	0 0	1	5 0	0	82	0	0			
Potal to corresponding date of srevious year	89,385	31,915	0 0	1,51,981	0	14,709	0 0		1,545 0	0	48,169	0	0	14,875	9,545	24,420

FINANCIAL YEAR.

Approximate Statement of gross receipts of the Dacca State Railway.

	FEBRUARY			IS FOR WEEK		A	L RECEIPTS PROPRIL 1886 TO 19 FEBRUARY 188	пти		L RECEIPTS FR PRIL 1887 TO 18 FEBRUARY 188	TH	Total	Total
Mean mileage worked.	Receipts.	Per mile worked.	Mean milcare worked.	Receipts.	Per mile worked.	Mean mileage worked.	Total receipts.	Per mile worked per week,	Mean mileage worked	Total receipts.	Per nul- worked per week.	increase in 1887-88.	decrease in 3
		Ì	1	524						Rs.	Rs.	Ra.	
*	£s. 7,085	Ra.	86	Rs. 5,351	Be. 62	86	Rs. 2,43,482	Rs. 62	80	2,74,070*	69	30,588	*****

[·] Audited up to week ending 24th December 1887

DACCA STATÉ RAILWAY.

Approximate Return of Traffic for week ended 25th February 1888, on 86 miles open.

	COACHING	TRAFFI	c.	MERCHANI		AND MI	NEB	A L	Other ear	mines	Total earn	l	TRAFFIC	TRAIN-MILE	S RUN.
£	Number of passengers.	Coach		Weight enrued.		Recei	pts.		(estima		Total earn	inge.	Coaching.	Merchan- dise.	Total.
		Rs.	A. P.	Mps.	s.	Rs.	۸,	p.	Rs.	A. P.	Rs.	. P.			
Total traffic for the week Or per mile of railway For previous 7 weeks of half- year	14,718 171 94,817		0 0 0	27,391 319 1,27,623	0	2,034 24	0	U	3	0 0 0		0 0	2,187 	963 6,592	3,15 21,029
Total for 8 week s COMPARISON.	109,535	41,696	0 0	1,55,014	U	13,744	0	0	569	c 0	56,008	0 0	16,623	7,555	24,17
Total for corresponding week of previous year	12,574		0 0	62,569		2,717				0 0	1000		2,173	897	3, 0 10
ing period of previous year Total to corresponding date of previous year	146 101,959	53 36,442	0 0	611 2,01,150		32 17,426	0	10.574	1,924	0 0	200		17,048	10.382	27,430

FINANCIAL YEAR.

Approximate Statement of gross receipts of the Dacca State Railway.

	PRUBUARY			TS POR WEES FEBRUARY 1			L RECEIPTS FR. 1886 TO 26TH F: 1887.		APRIL 1	L RECEIPTS FRO 887 TO 25TH FE 1888.	M 18T BRUARY	Tota!	Total
Mean numer orked.	Receipts.	Per mile worked.	Mean mileage worked.	Receipts.	Per nule worked.	Mean mileage worked.	l'otal receipts.	Per mine worked per week.	Mean mileage worke'.	Total receipts.	Per mile worked per week.	increase in 1887 85.	decrease in 1887-88.
86	Rs. 7,623	Rs. 89	86	Rs. 7,704	Rs.	86	Rs. 2,51,105	Rs. 62	86.	Rs. 2,82,390*	Rn. 70	Rs. 31,275	3000m3

^{*} Audited up to week ending 31st December 1887.

ASSAM-BEHAR STATE RAILWAY.

(PURNEAR SECTION.)

Approximate Return of Traffic for week ended 18th February 1888, on 39 miles open.

	COACHING	TEAPLI	c.	MERCHAND		PIC.	ERAI		Other carnings	Total ear			THAFFI	c Train-mii	ES BUL.
11	Number of passengers	Coach		Weight carried.		Receip	its.	1	(estimated).	Total ear	nia	igs.	Coaching.	Merchan- dise.	Total.
		Rs.	A. P.	Mps.	8.	Rs.	A. 1		ks. A. P.	Rs.	۸,	P.		<u> </u>	
Total traffic for the week Or per mile of railway For previous 6 weeks of half-	2,627 67	866 22	0 0	23,695 698		3, 59 4 67	0		18 0 0	3,475 81			546	546	1,08
year	19,640	6,774	0 0	1,04,714	6	9,929	0	0	85 0 0	16,788	0	0	3,276	8,276	6,55
Total for 7 weeks	21,267	7,640	0 0	1,28,400	0	12,523	6	0	103 0 0	20,260	0	0	3,822	8,822	7,64
COMPARISON.	-:														
Total for corresponding week of previous year Per mile of railway correspond-	\		e.			*****	vii						******		*****
ing period of previous year lotal to corresponding date of					- 1	••••	9	1			u:				,,,,,,
previous year					- 1			1							*****

FINANCIAL YEAR.

Approximate Statement of gross receipts of the Assam-Behar State Railway.

	FRBRUARY			TR FOR WEEK FEBRUARY 1		A	RECRIPTS FRO PRIL 1886 TO 10 FEBRUARY 1887	п		L RECRIPTS PRO PRIL 1887 TO 18 FEBRUARY 188	TH	Total	1 12
Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Receipts.		Mean mileage worked.	Total receipts.		Mean mileage worked.	Total receipts.	Per mile worked per week.	incresse in 1887-88.	Total decrease in 1887-98.
	******		89	Rs. 3,478	Rs.				80	Re. 1,07,520*	Bs. 60	Rs. 1,07,929	

[·] Audited up to week ending 24th Docomber 1887.

ASSAM-BEHAR STATE RAILWAY.

PURNEAU SECTION.

Approximate Keturn of Traffic for week ended 25th February 1888, on 39 miles oven.

A2.5	COACRING	TRAPPI	c.		MERCHAND	ISE TRAF		RH	LA 1.	Other ea	rnn	ngs	Total ear	mme	Ì	THAPPIC	Train-Mile	S RUN.
	Number of passengers.	Coach			Weightcarr	ied.	Receip	ots		(estima	leni).			1	Coaching,	Merchan- dise.	Total.
		Ra.	A. P		Mds.	8.	Rs.	۸.	P.	Rs.	۸.	P.	Re.	A. P				••
Total traffic for the week Or per mile of rathway For previous 7 weeks of half-	3,029 78		0		32 ,191 825		2,859 73			15 1	0		208.8 CG	0 0		5 16	546	1,000
year	21,267	7,640	0	0	1,28,409	0	12,523	0	0	103	0	0	20,268	0 (1	3,822	8,892	7,644
Total for 8 weeks	24,296	5,628	0	0	1,60,600	0	15,382	0	0	118	0	0	24,128	0 1		4,368	4,368	8,786
COMPARISON.	i					- [
fotal for corresponding week of previous year		••··													Ì			
ing period of previous year Total to corresponding date of		****	0%							*****		į		•				******
previous year		*****	•	1		- 4	*****			21111	•					55536	*****	

FINANCIAL YEAR.

Approximate Statement of gross receipts of the Assam-Behar State Railway.

RECEIP 26TH	TR FOR WERE	K ENDING 1887.		TR POR WEEK FEBRUARY			L RECRIPTS PRO PRIL 1886 TO 26 FEBRUARY 188	TIL	A	RECEIPTS PROPRIES OF STREET PROPERTY AND LESS OF STREET, AND LESS OF STREE	TH	Total	Total
Mean mileage worked.	Receipts.	Per mile worked.	Mean msleage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Total receipts.	Per mile worked per week.	Mean mileage worked.	Total receip's.	Per mile worked per week	increase in 1887-88.	decrease it 1887-88.
	THERE		39	Rs. 3,863	Rs.				39	Rs. 1,11,256*	Rs. 60	Rs. 1,11,2 56	

^{*} Audited up to week ending 31st December 1887.

NALHATI STATE RAILWAY.

Approximate Return of Traffic for the week ending 25th February 1888, on 274 miles open.

	COACHIN	G TRAPPIC.		MEBCHANDIS TR			IL A	1	Uther enr	a. r.		(**22**50)			,	TRAIN-MIL	-
	Number of passengers.	Coaching receipts.		Weight carried.		Receipts			(estimate			Tot:		١.	Coaching.	Morchan- dise.	Total.
		Rs. A.	Р.	M 118. 8.	-	Rs. A	P	.	Rs.	۸.	P.	Rs.		 . Р	1	1	
Potal traffic for the week Or per mile of railway For previous 7 weeks of half-	3,148 116	1,246 2 45 12		19,249 20 700 0		1,016 37	R		20 0		10	2,28 8		6 10 3 0		251	763
year	22,856	8,352 14	0	1,30,512 20		6,200	3 (0	248	3	2	14,801	1	9 2	3,563	3,202}	6,705
Potal for 8 weeks	20,004	9,599 0	0	1,40,762 0		7,217) (0	269	0	0	17,0%	(1 0	4,072	8,4561	7,528
COMPARISON											Ì						
Total for corresponding week of previous year Per mile of railway correspond-	4,3644	1,470 2	y	15,108 30	,	874 9) (0	8	0	0	2,352	11	μ	569	472	981
ing week of previous year	160	53 15	0	554 (0	32	1	0	0	5	0	56	5	0			
fotal to corresponding date of previous year	25,1411	9,288 15	4	1,16,627 20	0	6,334	5	0	183	2	6	15,8:0	6	10	4,144	2,831)	6,978

FINANCIAL YEAR.

Approximate Statement of gross receipts of the Nathati State Railway.

LECEIP? 26TH	PEBRUARY I	ENDING 887.		TS FOR WERK FEBRUARY			RECRIPTS FROM PRIL 1886 TO 20 FEBRUARY 188	TH	ΔI	RECEIPIN PROPRIL 1887 TO 25 FEBRUARY 1885.	TH	Total	
Mean milcare worked.	Receipts.	Per mile worked.	Mean mileage worked.	Receipts.		Mean mileage worked,	Total receipts.		Siean mileage worked.	Total receipts.	Per mile worked per week.	100 at 10 1857-58.	Total decrease is 1887-88.
	Re.	Ru.		Re.	Ra.		Rs.	Rs.		Rs.	Ra.	Rs.	
271	2,838	,86	272	2,283	84	271	78,318	61	272	85,231	67	6,913	

TIRHOOT STATE RAILWAY.

Approximate Return of Traffic for the week ending 25th February 1888, on 259 miles open.

	COACHING	TRAFFIC.		AND MINERAL PRIC.			THAPPIC	TRAIN-MIL	BS RUK.
	Number of passengers.	Coaching receipts.	Weight carried.	Recoipts.	Other earnings (estimated).	Total earnings.	Coaching.	Merchan- dise.	Total.
Potal traffic for the week on 259		Rs. A. P.	Mds. s.	Rs. A. P.	Rs. A. F.	Rs. 4. P.			
miles open Or per mile of railway For previous 7 weeks of half-	43,630 168	15,982 5 9 61 11 0	2,15,343 0 831 0	22,117 11 0 85 6 0	4,401 11 0 3 2 0	42,504 14 9 150 3 0*	5,75\$	9,186	14,940
year	301,902	1,19,394 10 3	14,11,225 0	1,44,743 5 0	27,5:9 2 e	2,94,667 1 3	47,822	58,933	106,755
Total for 8 weeks COMPARISON.	345,533	1,85,377 0 0	16,26,568 0	1,66,861 0 0	31,9;4 0 0	3,31,172 0 0	55,576	08,119	121,605
Foration corresponding week of previous year on 246 miles open Per mile of railway correspond-	31,436}	14,517 11 2	2,08,530 0	21,456 3 0	2,668 8 5	38,642 6 7	5,357	7,585	12,942
ing week of previous year Total to corresponding date of	140	n9 0 0	810 0	87 4 0	1 + 0	117 8 0*			
previous year	310,729	1,27,417 15 3	12,67,618 10	1,25,049 7 0	24,211 4 10	2,76,678 11 1	45,767	43,271	89,038

[•] Steam-boat earnings excluded in calculating "Total earnings per mile of Railway."

FINANCIAL YEAR.

Approximate Statement of gross receipts of the Tirhoot State Railway.

	FOR WERK FEBRUARY 1			ts por week I February		Δ	RECEIPTS FRO PRIL 1886 TO 2 EDRUARY 1887	6111	Δ1	L BECEIPTS PRO PRIL 1887 TO 27 FEBRUARY 1888	in ti	Total	Total
Mean mileage worked.	Receipts.	Per nule worked.	Mean mileage worked.	Receipts.	Per mile worked.	Mesn mileske worked.	Total receipts,		Mean intleage worked.	Total receipts.	Per mile Worked per week,	increase in 1887-88	18:7-89.
344	Bs.	Rs.	259	Rs. 42,505	Rs.	246	Rs. 14,45,418	Rs. 125	251.89	Rs. 16,38,896	Rs.	Rs.	*******
,			Ľ	ARJEEL	ING-111	MALA	YAN RAIL	WAY	COM	PANY, LIM	ITED.	Rs.	-
				e earnings f ng week las		c ending	18th Febru	ary 18	88			7.419 5,366	
		Incr	case		ž.		•••					2,053	
		Reco Fron	eipts from	n 1st Janu nuary to 19	ary to I th Febr	8th Feb uary 18	ruary 1888 57					43,336 38,435	
		Incr	case									4,901	
				week endin		Februar	y 1888				 	Miles. 51	
				r mile open			8th Februar	y 1888				Rs. A. P. 145 7 2 105 3 5	;

ELING, the 28th February 1888.

Increase

H. BIRCH, Acting Secretary, D.-H. By.

40 3 9



SUPPLEMENT TO

The Calcutta Gazette.

WEDNESDAY, MARCH 14, 1888

OFFICIAL PAPERS.

Non-Subscribers to the GAZETTE may receive the Supplement separately on payment of Siz Rupees re por annum if pelivered in Calcutta, or Twelve Rupees if sent by Post.

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Abstract of the Proceedings of the Council of the Lieutenant-Governor of Bengal assembled for the purpose of making Laws and Regulations under the provisions of the Act of Parliament 24 and 25 Vic., Cap. 67.

The Council met at the Council Chamber on Saturday, the 10th March 1888, at 1 P.M.

Saturday, the 10th March 1888.

Present :

The Hon. G. C. Paul, cit.E., Advocate-General, Presiding.

The Hon. H. J. REYNOLDS, C.S.I.

The Hon. C. P. L. MACAULAY, C.I.E.

The Hon. T. T. ALLEN.

The Hon. SIR HENRY HARRISON, KT.

The Hon. SIR ALFRED CROFT, E.C.I.E.

The Hon. Moulvie Abdul Jubbar.

The Hon. G. IRVING.

The Hon. BABU KALI NATH MITTER.

The HON. DR. MAHENDRA LAL SIRCAR, C.I.E.

The Hon. C. H. Moone. The Hon. Dr. Goodoo Das Banerjee.

CALCUTTA AND SUBURBAN MUNICIPALITIES AMALGAMATION BILL.

THE HON. SIR HENRY HARRISON presented the final Report of the Select Committee on the Bill to consolidate and amend the law relating to the municipal affairs of the Town and Suburbs of Calcutta. He said :- In presenting this report, I owe it to the Committee to state that they have devoted much care and time to the consideration of the many suggestions with which they have been favoured by the several Associations and other Public Bodies who reported on the Bill. We wished we could have presented this report at an earlier period, in order that the public might have had a longer time to consider it before it must be taken up again by the Council. But the time which we have taken to give adequate consideration to all the material points laid before us has been such that, though we have made every speed consistent with due care, we have not been able to complete our work at an earlier date. As regards the report itself and the Bill which accompanies it, I may perhaps be permitted to let them speak for themselves. It will suffice to say that the main alterations we have made are connected with the system of levying the rates with the water-supply, and above all with the building regulations. I may observe that the whole of these come, if not in the latter part of the Bill, at least towards the middle of it, and therefore if the Bill is taken into consideration, say three weeks from the present time, it should not be inferred that only three weeks are therefore allowed for the consideration of the most important changes in the Bill. The earlier chapters of the Bill have been very little altered indeed, and substantially these have been before the public for the whole space of a year. Consequently, before we reach in Council those portions of the Bill in which material changes have been made, a considerably longer period will have elapsed. With these remarks I ask the Council to accept the Report.

The Hon. Sir Henry Harrison then moved that the Bill as further amended, with the final Report of the Select Committee thereon, be published in the Calcutta Gazetie.

The Hov. Baboo Kally Nath Mitter moved that the words "for at least six weeks" be added to the motion.

The Hor. THE PRESIDENT said:—The motion before the Council is to publish the Report of the Select Committee and the Amended Bill. No time is fixed. The Hon. Member can bring forward his proposal as a separate motion if he thinks fit.

The Hon. Sir Henry Harrison's motion was put and agreed to.

The Hon. BABOO KALLY NATH MITTER then moved that the Bill be published for at least six weeks. He said the changes which have been made in the Bill are so numerous and so important that it is absolutely necessary that the public should be afforded a reasonable time to consider them before the Bill is taken into consideration by the Council, and I think six weeks is a reasonable time to give for the purpose. Anything short of that would be too little. Not having been furnished with a copy of the Bill as altered by the Select Committee, it is impossible for me to point out the various and numerous changes made in the Bill. Besides, as far as I am concerned, the Bill has now been presented in a form which is far more objectionable than what it was when last reported upon. Many of the alterations which have been made are such that I am entirely opposed to them, and knowing, as has been hinted, that the people of Calcutta intend to hold a public meeting to consider the provisions of the Bill, I think it is better that they should be afforded an opportunity of submitting their representations, so that, before the Bill is taken into consideration by the Committee, we should have the views of the public put before us in an intelligent and proper manner.

The Hon. Mr. Macaulay said:—I submit it is quite unnecessary to give such a long period for the consideration of this Report and Bill. The Select Committee, sitting about twice a week, have taken only three months to

consider and report upon the Bill in detail, yet the hon. member asks that one-half of that period may be given to enable the public to make up their minds on the Bill, and to submit their views in an intelligent and proper manner. I am far from underrating the value of intelligent public discussion; but I venture to think that opinions of any value can easily be laid before the Council within the period of three weeks for which, I understand, my hon. friend who is presiding proposes to adjourn the Council. I think that to give an interval of six weeks will be simply to suggest an increase of the delay which has already formed the subject of public criticism. We have nothing to gain by it, and it will only obstruct the course of legislation.

The Hon. Sir Henry Harrison said: -My own view of this matter, as the Member in charge of the Bill, is that, if we had an unlimited time at our disposal, I should be glad if the six weeks which have been asked for could be given; but the function of a reasonable person is to balance considerations on opposite sides. What we have to consider is what will be the effect of giving six weeks' time before commencing to consider the first section of the Bill in Council. Six weeks will bring us to the end of April. We have not only to consider what time we should give the public, but also what would be reserved for the Council. Suppose the legislative session to be carried on even into July, we shall deprive ourselves of a very considerable portion of the time before us if we postpone all action for six weeks. Now, as I mentioned in my former remarks, the parts of the Bill which come first are precisely those parts which have been before the public for a whole year. I do not think any change of any importance at all comes before section 100 of the Bill. On a reference to the report of the Committee, I find that the first of the important changes comes in section 99. I cannot call the sections relating to petroleum an important change, though it may be an important question: the proposal has been before the public for a very long time. We have therefore before us some weeks of important discussions regarding the constitution of the Town Council and various other matters which have been untouched by the Committee; and during the time we discuss these matters, the public will have an opportunity of expressing an opinion on the important alterations in the Bill. So that, looking from both points of view, the time left to the Council, as well the convenience of the public, I am bound to say I think we shall consult the convenience of both parties if we allow a period of three weeks before commencing to discuss the Bill in Council. I feel pretty confident that we shall hardly reach the new portions of the Bill under six weeks. For these reasons I think it will be a pity if we wait for a longer time than three weeks before we begin to consider the Bill in Council.

The Hon. Baboo Kally Nath Mitter said :- I find that the first section of the Bill which has undergone considerable change is section 37-the very first section which will come up for discussion. The daties of the Corporation are enumerated in that section, and those duties were numbered in the Bill as before amended from Nos. 1 to 5, but now clauses (a) to (k) have been added to those duties. This of itself may not be of much concern, but under the very next section a power of control has been given to the Local Government in reference to the performance by the Commissioners of any of the duties enumerated in section 37. I am not prepared at present to say whether there are any other important changes in the early sections of the Bill; but it seems to me that this is hastening unduly the consideration of the measure, The Hon. Mr. Macaulay has complained of the delay which has taken place in Select Committee, but who was responsible for such delay? [The Hon. Mr. Macaulay:-" My hon friend is under a misapprehension. I made no complaint of delay, and I made no reference to any delay on the part of the Select Committee. I said that the Bill had already been for two years before the Council, and yet you want to give six weeks more for public critics to give their opinion upon it in what you describe as an intelligent and proper manner. I did not say that there had been any unnecessary delay, but I said that the delay which had taken place had been made the subject of public criticism."] The delay had been brought about by the important changes which had been suggested by the Hon. Member in charge of the Bill, and therefore, as far as the Committee is concerned, they

were not responsible for the delay. I do not see why the public should not have a reasonable time to consider the important alterations made in the Bill which affect their interest.

The Hon. THE PRESIDENT said:—Before putting the motion, I should like to say a few words on the subject. This Council would as a matter of course on all occasions regard public convenience; but the question is whether. convenience in respect of other matters should not also be taken into consideration. The question is whether the proposal is a reasonable one. Now, when we come to consider the fact pointed out by the Hon. Mr. Macaulay that the task of preparing this report has taken three months, I apprehend the request to have six weeks time to consider the work which has been done by the Committee in three months seems relatively a long period of time. Nor can I believe the public to be altogether ignorant of the main provisions of the Bill. From my own experience I have found that when any important subjects are made public we have within a week in the public prints criticisms of every description. I cannot therefore help thinking six weeks an unreasonable time to ask, and I have no doubt that two or three weeks will be more than sufficient, especially when it is remembered, as observed by the Hon. Member in charge of the Bill, that many portions of it are taken from the old Bill with some amendments, but containing no new principle. All these portions of the Bill may be considered in Council while the public are discussing the effect of the radical changes which have been made, and there will be ample time for the public to submit all their representations to the Council. Bearing in mind that the Bill has been before the public for a long time, I am opposed to the extension of time for the publication of the Bill to six weeks.

The Hon. Baroo Kally Nath Mitter's motion was then put and negatived.

The Council was adjourned for three weeks.

WORKS OF PUBLIC UTILITY CONSTRUCTED IN 1886.

GOVERNMENT OF BENGAL-PUBLIC WORKS DEPARTMENT.

Miscellaneous Public Improvements.

No. 2202M.P.I., dated Calcutta, the 17th December 1887.

READ-

Statement of works of public utility constructed by private individuals in the several districts of Bengal during the year 1886.

Read again-

Statement of similar works constructed during 1885 and the Resolution thereon.

Remarks.—The following works of public utility were constructed by private individuals in 1886:—

				Number of works.		Cost.	
					Rs.	Δ.	P.
Public Buildin	ngs		.,.	9	18,290	0	0
Roads	•		•••	7	3,185	13	3
Bridges	•••	•••	•••	4	8,200	0	0
Embankments	or bunds	•••		103	6,137	8	U
Ghats	•••		•••	3	3,800	0	6
Tanks	•••			293	2,03,280	5	0
Wells		•••		80	19,090	0	D
Miscellaneous			***	4	3,840	0	0
Petty works		***	•••		60,499	9	6

2. The total number of works costing more than Rs. 200 each, which were constructed during the year under review, and the amounts contributed, including donations for petty works, as compared with those of the previous two years, are shown below:—

	YEAR.			Number of works costing between Rs. 200 and Rs. 500 each,	Number of works cost- ing more than Rs. 500 each.	Total number of works costing Rs. 200 and up- wards each.	Total expendi- ture on works costing its, 200 and upwards each.	Add cost of perty works under Rs. 200.	Total contribution.		
1884 1885 1856			:::	<i></i>	:::	845 434 381	217 102 123	562 626 503	Rs. A. P. 4,21,399 0 0 3,85,484 0 0 2,65,823 10 0	Rs. A. P. .90,519 0 0 .92,966 0 0 .00,499 9 6	Rs. A. P. 5,11,855 4,78,450 0 0 3,26,323 3 9

3. The number of works costing over Rs. 200 each carried out in the different districts, and the amounts contributed for their construction, are given in the following statement:—

Name of distri	ot.		N	umber of works.	Tot	al cos	it.
					$\mathbf{R}s.$	Δ.	P.
Burdwan	•••		***	4	2,325	0	0
Bankoora	•••	•••		3	1,900	0	0
Beerbhoom	•••	•••	•••	5	2,600	()	0
Midnapore	***	***	•••	20	8,187	0	0
Hooghly	•••	•••	***	3	2,100	0	0
Howrah	•••	***	•••				
24-Pergunnahs	•••	•••		2	1,950	0	0
Nuddea	•••		•••	13	11,130	0	0
Jessore	•••	•••		4	3,800	0	0
Moorshedabad	•••						
Khoolna	•••				3,850	0	0
Dinagepore	•••	•••		.3	6,200	0	0
Rajshahye		•••	•••	34	21,642	0	0
Pubna	•••	•••		7	14,100	0	0
Bogra		***		12	12,982	5	0
Rungpore		•••		6	3,130	0	0
Julpigoree				3	3,190	0	0
Darjeeling						•	
Dacca	•••				••••	•	
Furreedpore		•••		8	6,325	0	0

Name of distr	rict.		Nu	mber of works.	Tot	al co	st.
					Rs.	A.	P.
Backergunge	•••	***	•••	. 12	4,400	0	0
Mymensingh	•••	333	***	35	14,640	0	0
Chittagong		•		9	3,770	0	0
Tipperah			***	5	16,050	0	0
Noakholly		•••	•••	17	5,660	0	0
Chittagong H	ill Tracts		• • • •				
Patna		•••		2	500	0	0
Gya		•••	•••	8	1,300	0	()
Shahabad	•••	•••	•••	14	5,295	0	0
Mozufferpore		•••		12	12,761	0	0
Durbhunga		•••		19	12,210	0	0
Sarun		•••		22	21,576	0	0
Ćhumparun		•••	••	10	23,010	0	0
Monghyr		(*****		23	6,500	0	0
Bhagulpore			***	12	5,790	0	0
Purneah			***	6	2,250	0	0
Maldah		***	• • • •	8	5,975	0	0
Sonthal Pergu	nnahs	***	•••	126	9,683	5	3
Hazaribagh			***	******	***		
Lohardugga		•••				•	
Manbhoom		•••		2	800	0	0
Singbhoom	. 44		•••	2	600	0	0
Cuttack	•••	•••		2 8	2,095	0	()
Pooree	•••		•••	2	400	0	0
Balasore	•••			10	5,147	0	0

4. Taking them according to the classification adopted in paragraph 1, the following works are specially noted:—

Public buildings.—The total of Rs. 18,290 under this head includes the contributions of Baboo Banamali Roy who gave Rs. 7,560 for the Rivers Thompson Town Hall in the town of Pubna, and Rs. 2,000 for additions to the Serajgunge Higher Class English School; Abdus Soban Chowdhuri contributed Rs. 5,000 for a library in the town of Bogra; and Srimati Saroda Soondari Dasi paid Rs. 1,097 for a charitable dispensary at Nabadwip.

Roads.—The sum of Rs. 3,185-13-3 contributed under this head is made up of small amounts.

Bridges.—Under this head Rs. 8,200 were contributed. Of this amount His Highness the Maharajah of Cooch Behar gave Rs. 2,500 for the repairs to the bridges on the central Emigration Road in the district of Julpigoree, and Baboo Srikissen Agarahri, Rs. 5,200 for the construction of a bridge at Gurhia in the Mozufferpore district.

Embankments or bunds.—The sum of Rs. 6,137-8, appears under this head. The ghatwals and ryots of Saruth Deoghur spent Rs. 4,244 on the construction of 21 new bunds and the repairs of 80 existing ones in the sub-division of Deoghur, and Mr. W. M. Grant made a bund at Bhaski in the Sonthal Pergunnahs district at a cost of Rs. 1,618.

Châts.—Of the sum of Rs. 3,800 subscribed under this head, Nawab Khaja Ahsunollah of Dacca gave Rs. 2,000 for a ghât on the river Titas, in the station of Muradnagar. Baboos Baroda Kanta Roy, Brojo Kanta Roy and others gave Rs. 1,000

for a masonry ghât at Patuakhali.

Tanks.—Rs. 2,03,280 were spent in constructing tanks. The widow of Saligram Sahai gave Rs. 16,351; Srimati Jasada Chowdhurany Rs. 13,000; Baboo Lali Ram Marwari Rs. 9,000. Baboo Harangi Missir Rs 8,000; Rajah Krishnendra Roy of Balihar, Rajshahyo, Rs. 5,000; Baboo Gopal Sahu Kalwar Rs. 4,000; Baboo Lachmi Pershad Rs. 3,000; Baboo Iswar Chunder Dass Rs. 2,300; and Mussamut Golat Komar Rs. 2,231. Baboos Taraprosad Chatterjee, Boyanuddin Sarkar, Thakur Das Pal, Rajendra Chandra Roy Chowdhuri, Upendra Nath Kundu, Bhukha Sahu Teli, gave Rs. 1,500 each. Baboo Thakur Bania

Rs. 1,400, and the ghatwals and ryots of Deoghur gave Rs. 1,400; and Sheik Meherali Akbarali Rs. 1,300. Baboo Pachu Pramanik, Munshi Mahboob Ally, and Baboo Jadab Hari gave Rs. 1,200 each. Baboo Porai Pramanik gave Rs. 1,125. Srimotya Gooni of Brojonath Chak, and Baboo Mathura Nath Saha, contributed Rs. 1,100 each, and Baboos Umrita Lall Mookerjee, Umesh Chandra Sunyal, Ananta Deb Mookerji, Saik Chowdhuri, Jafal Mirdha, Mastaran Sarkar, Kaloo Sirkar, Dighapatia Raj, Khareo Sardhar, Parmeshar Teli, Mehera Mandal, and Sreemati Kristo Mayee Debya, Sreemati Jannobi Chaudhurani, Mussamut Sarsath Bahuria and Mussamut Jagpati Kuer each Rs. 1,000.

Wells.—The amount of the contributions under this head is Rs. 19,090. Of this sum, Rs. 3,895 were contributed in the district of Shahabad for the construction of 13 wells; Rs. 1,010 in the district of Durbhunga for 4 wells; Rs. 3,625 in the district of Sarun for 17 wells; and Rs. 5,000 in the district of Monghyr for 20 wells. The remaining 26 wells constructed during the year are distributed among the districts of Nuddea, Rungpore, Julpigore, Patna, Gya, Mozufferpore, Chumparuu, Purneah, and Cuttack.

Miscellaneous.—Eupees 3,840 were contributed. Mr. J. D. Beglar constructed a jheel at Chagdah at a cost of Rs. 3,000.

RESOLUTION.—Compared with the corresponding figures for the previous two years, there has been a large falling off in the contributions made for works of public utility during the year under review, but looking to the many wants which are constantly being brought to notice from all parts of the Province, it may be expected that the decrease is only temporary. To those who have contributed towards such works during 1886, the Lieutenant-Governor tenders his acknowledgements for their public spirit and liberality.

Letters of acknowledgment will be forwarded by Government to those who have constructed important works. The contributors of works costing Rs. 500 and under will, as usual, receive an acknowledgment from the Commissioner or the Magistrate of the Division.

ORDER.—Ordered that a copy of this Resolution, and of the statement, be forwarded to the Board of Revenue, Lower Provinces, and to all Commissioners of Divisions, to the Commissioner of Chota Nagpore, and to all Superintending Engineers of Public Works Circles in Bengal, for information.

Ordered also, that a copy of this Resolution, and of the statement, be forwarded to the Revenue and Judicial Departments of this Government for information.

Ordered also, that this Resolution and the statement be published in the Supplement to the Calcutta Gazette for general information.

By order of the Lieutenant-Governor of Bengal,

C. M. BROWNE, Col., R.E.,

Offg. Secretary to the Govt. of Bengal, P. W. Dept.

Statement of Works of public utility constructed by private individuals during the year 1886.

Г	ISTRICT.		Name of individual by whom constructed,	Description of work.	Place where constructed.	Cost,	Total of districts.	Grand to of divisi
			Jahir Sheikh	Re-exervation of a	Mainagram in tham Selimabad	Rs. A. F. 725 0 0	Rs. A. P.	Rs.
			Bahoos Benode Behari Mojoom- dar, Behari Lall Bose, Beni		Ditto ditto	800 0 0		
Burd	van .	{	Madhub Chuckerbutty and Nobin Chandra Ghose, Baboo Umrita Lall Mookerjes benyal Coal Company, Limited	Construction of a water	Baznapara, thana Kulua Sagorbhanga, thana Koksa	1,000 0 0 300 0 0		
		į	Works costing less than Rs. 200 each.			60 0 0	2,385 0 0	
Bauk	oora	{	Baboa Boistah Charan De Juggabondho Khan of Bankoora police-station.	Tank	Village Norra, Chana Bankoora Do. Bhadal. ditto	800 C 0*		
		(Baboo Chundi Charan Deshmik	Do	Do. Gopalpore, thana Khatra	400 (0	1,900 0 0	
Beerb	hoom		Sheikh Khoodoo Baboo Madhub Chandra Gosain Kunja Bebati Mockhopa	Reclaiming a tank Dutto dutto . Tank	Rougaipore, thana Scori Sounfore, ditto Adetyapore, thana Babpore	500 0 0 400 0 0 700 0 0		
Dece		1	dhya, Baboo Durgadass Bhubacharjeo ,, Ganga Naram Dass	A small tank enlarged	Ponaipore, ditto Kirnabar, thana Sakulipore	500 O 0 500 O 0	2,600 0 0	
		1	Baboo Sankar Ghose of Gohenria	Do	By the side of the road leading to Chandrakonn close to village Goornpat, outpost Sirsha, police-	400 0 0	3,000	
			Srimoti Lokhipriya Chowdharini of Mohonpore.	Do	station Keshpore, By the sade of the Government road leading through Mohan- pore, thana bantoon.	200 0 0		
			Sadhu Khamrui of Devanchak Buboo Nittya Nanda Samonta of	Do	Village Devan chak, theon Ghattal Do. Harinkundu, ditto	500 0 0		
			Harinkundu. Fakir Buxi of Boonlia	Re-excuvation of a	Do. Bocalia, ditto	300 0 0		
			Satya Bhama Debi of Norhari-		Norharipore, thana Chandrokona	500 0 0		
			Boistab Das Karak of Radhabul- labpore. Rajadhar Ghose of Chandoor		Radhabullabpore near the public road leading from Chandrakona to Mindapore, Near the public road at Chandoor	800 0 D		
Wide			Parhoti Goolini of Nimtolu	A pucca ghat on the	leading from Midnapore to Broh- mubboom. Village Nimtola, thana Daspore	• 800 0 0		
Midn	ibore	ĺ	Normhari Jam of Jajour Haladhar Mandal of Moitichak	Silaboti river. Tank Do	Do. Tajpur, thana Nandigram Mcitichak, thana Sutahata	400 0 0 200 0 0		
			Harch Kisto Matti of Bamunchak Ram Namin Dass of Srikrishna- por.	Do	Bamunchak, ditto Srikrishnapur, ditto	200 0 0 400 0 0		
			Streemotya Gooni of Brejonath- chak. Digambar Jana of Jalimchak	dec	Brejonathchak, ditto Jalimchuk, ditto	1,100 0 0 225 0 0		
			Judhister Paramanick of Bargha- sinpar.	Do	Lagourchak, thana Dora	212 0 0		
1			Sr-emetya Apurba Debya of Dal Annyah,	1	Dal Annyab, thana Egra	200 0 0		
		i	Kashi Panda of Koshba, Patna, police-station Egra. Chintamoni Chewdhri of Alon-	i	Annyah Baramari	300 0 0		
		ij	giri, police-station Egra. Sreemotya Brohma Debya of	Do	Rashgram	200 0 0		
			Chatra. Works costing less than Rs. 260 each	1		594 4 €		
			Bhagabati Dassi	Pucca rend from Grand Trunk Road	Bhuddessur, thana Scrampore	800 0 0	8,781 4 6	
Hoogh	ly .		Hara Nanda Shabu	leading to river ghat, A road	From village Pythem in Howrah leading to the railway station	700 0 D		
			Ramkisto Mookerjee	Portico on the ghât, of a tank.	at Hurripal in thana Hurripal. Chambani, thana Serampore	600 () ()		
Hown	ıh		*****				2,100 0 0	
					TOTAL OF BURDWAN DIVISION			17,768
24-Per	gunnahs .	{	Buboo Taraprosad Chattarji Mohendranarain Patra	Tank Do	Woodryroypore Sagore	1,500 0 0 450 0 0	12/7/10 13 10	
		(Babbo Umesh Chundra Sunyal Srimati Saroda Soondari Dasi	Tank Charitable Dispensary	Krishnagur	1,000 0 0 1,097 0 0	1,950 0 0	
1		Į,	Ditto dirto Baboo Amanta Deb Mukerji	Hotel	Patuly	598 0 0 1,000 0 0	,	
1		1	Sadhan Mandal Amez Mandal Baboo Hurish Chunder Bhatta-	Do	Katoorpara Chagdah	700 0 0 800 0 0		
Nudde		{	charji. Baboo Gone-h Mandal and others	Do	Ghugia From Atina to Birui villago	240 0 0		
			Mr. J. D. Begler Baboo Nabin Chunder Sarkar	Jheel Re-excavation of a tank	Chagdah	8,000 0 0 500 0 0		
			, Baik thowdhuri Panchu Mandal Banikanta Mazumdar Works costing less than its, 200 each	Tank A pucca well Re-excavation of a tank	Between Arakpur and Haripur Minapars Osmanpur	1,600 0 0 300 9 0 300 0 0 100 0 0		
		(Bahoo Rajkumar Sarkar	Tenk	Kalyanpur	800 0 0	11,280 0 0	
Jessor		-{	Brimati Basanta Coomari Dasi Baboo Dinamani Banerji , Iswar Chunder Dass	Do	Betharia Talbaria Jagla	400 0 6 800 0 0 2,500 0 0	+ V	Man F
	hedabad	1	,, 18 war Chunder Dass	10	****	2,000	8,800 0 0	Den.

Note.—The Collector of Burdwan remarks: "The Downger Moharani and the younger Moharani of Burdwan gave donations of Re. 200 and Re. 200 an

	DISTRIC	т.	Name of individual by whom constructed.	Description of work.	Place where constructed,	Cost.	Total of districts.	Grand total of thision.
-		ſ	Baboo Gopal Dutta Anandalal Mukerji Dras Sardar	Do	. Bagmara	Rs. A. P. 250 0 0 300 0 0	Rs. A. P.	Rs. A. F
1		- !	Baboo Haromohon Basar	Do	. Hatiardanga	250 0 0		
:		j	Saber Haldar Abair Sheikh	Do.	100	200 0 0		
1	Khoolna	₹	Armun Gazi Hazair Sardar	100	Thorem	200 0 0 200 0 0		
			Kasem Joredar Tabair Biswas	10	. Shahapero	200 0 0		
		- 1	Baboo Kanak Chundra Ghosh Srish Chundra Singha	Do	Kalapedia	300 0 0		
		Į	Works costing less than Rs. 200 each.		Bahura	35° 0 0 200 0 0	4,050 0 u	
				2,000	TOTAL OF PRESIDENCY DIVISION			21,030 0
-	Dinagepore	{	Mr. A. T. Ricketts, Manager of Sunkerpore wards' estate on behalf of the Court of Wards,	Tank	Badal Gram	700 0 0 0		
	Dinagepore	\ 	Kholai Sarkar Rajah Krishnendra Roy of Bali-	Do	100	500 0 0 5,000 0 0		
		1	har, district Rajshahye, Mithan Mandal Ram Lal Sarkar	Do	Jamira	360 0 0	6,200 0 0	
İ			Nabin Chandra Sarkar, Sub-In- spector.	Ъо	Patinkundi	200 0 0 800 0 0		
			Ram Lai Poddar Bala Shuha Khooloo	Do.	Goalkandi Chandraporo	200 0 0 6m 0 0		
il			Mohtali Sonar kahamulla Mandal	Do		900 0 0 600 0 0		
			Sharoop Pramanik Padastoo Sarker	Do.	Sonndanga	3:0 0 0 200 0 0		
		1	Gaur Chandra Karmoker Hasim Pramunik	Do. Do.	Lalpore	600 0 6 500 0 0		
!		1	Nurim Shahu Andoo Shaik	Do	Daspana	652 0 0		
1		1	Hadoo Sirdar kaman Koch	Do,	Shibnaswar	200 0 0 0		
l			Madhab Chandra Ghosh	Do		800 0 0		
i	Rajshahye	₹	Dhananjoy Mitra Manulla Mirdla	Do	Ismarporé Sirmal Kooten	538 0 0 400 0 0		
		1	Paban Pramanick Bhooroolla Sonar	Do Do	Bujruk Boolia	400 0 0 400 0 0		
			Khider Mandal Kunta Mandal	Do. Repair of tank	Sidoil	800 0 0		
I			Sadal Sardar Sefat Mirda	Tank Do,	Gabindp re	800 0 0		
i			Kukra Mandal	Do	Chinchura	700 0 0		
			Akul Kayle	Do	Indasun	800 0 0 800 0 0		
il		il	Juial Mirdha Pachu Pramanik	Do,	Hulhalia Dirto	1,000 0 0		
			Goehdee Prammick Mastaram Sarkar	Do	Nemudeghi	300 0 0 1,003 0 0		
i			Boyanuddin Sarkar Perai Pramunik	Do	Sarishahat	1,500 0 0		
	ř.	l	Kaloo Sirear Works costing less than Rs. 200	Do	Purick mella	1,125 0 0 1,000 0 0 374 0 0		
{			ench. Majam Sirker Jinuner Sarker	Tank	Barphash	500 0 0	22,016 • 0	
!		il	Churan Moochen	Do		800 0 0 800 0 0	1	
1			Thinkur Das Pal Dielm Paten Raj	Do	Khalisadaha	1,500 0 0 1,000 0 0	1	
	Pubna	[Baboo Banamali Roy, zemindar	Addition to the Seraj- gunge higher class English school,	Serajgunge	2,000 0 0	1	
	9	1	Ditto ditto	Rivers Thompson Town Hall.		7,500 0 0	14,100 0 0	
II			Abdus Sobhan Chowdhuri Ktorree Sardac	Labrary	Bogra Town	1,000 0 0		
l		11	Basarat Colla Pramanik Sami Molla	Do.	Schail	332 5 0	-	
1		- 11	Jharu Mandal Chander Kart Karmokar	Do	Maskarpore	700 0 0		
	Bogra	- 31	Ishar Chandra Shaha Dost Mohamed Sarkar	Do	Budalgachee	750 0 0 800 0 0		2)
		- 11	Matiram Das Umid Mondal	Do. Do.	Imil	5(X) 0 D	-	
İ		- 11	Sukhan Khan Sreemati Kristo Mayee Debya	Do.	Dugra	500 0 0		
		il	escues was	Pucca well	Adamdighi	1,000 0 0	12 143 5 0	
		r	Banawari Latt Munshi	Tank	Ulipere Dharambari	550 0 0 800 800 0 0		
,	D	11	Jarip Mohamed Dharia Dawai	Do. Do.	Ditto Shibbari	570 0 0	1	12
1	Runkpore		Barat Mohamed Bhikam Mohamed Mandal	Do.	Tamogram Kalikapere	250 0 0		
ļ		i I	Works costing less than Rs. 200 each.	Winner.		175 0 0	3,315 0 0	
			His Highness the Maharajah Bhup Bahadoor of Gooch Behar.	on the central emigra-	Road from Haldibari to Ganja- paca.	2,500 0 0		
U	Julpigoreo		Ditto ditto	tion road. Puces well	-Rodessari	450 0 0		*
1		1	Ditto ditto	Repairs to Boda chari- table dispensary and	Bodu	240 0 0	1	
1		-	Works costing less than Rs. 200	out-houses,	*	103 0 0	3,293 0 0	
1		4	each.		TOTAL OF RAJSBAUVE DIVISION			61,896 %
1	Dacca		Rajendra Chandra Ray Chau-	Tank	Forreedpore town	1 ,00 0 0		-
	0.1	11.	dhuri. Upenden Nath Kundu	10	Golmilbari	1,500 0 0	1	
1	1		Rajendra Chandra Ray Chau-	Do	Baish Rashi	300 0 0		
1	Furredpore		dhuri.	Do	Ditto	500 0 0		
1		111	Bladibux Munchi	Do	Deora Mago rdanga	900 0 0 325 0 6		
y.		100	Mathura Nath Saha		Syamile Domshår	1,100 0 0 200 0 0	1	
		31	and the second s				ACCOUNTS OF THE PARTY OF THE PA	

DIVINOS.	District.		Name of individual by whom constructed.	Description of work.	Place where constructed.	Cost.	Total of districts.	Grand total of division.
_	1					Rs. A. P.	Rs. A. P.	Rs. 4. P
(-	ſ	Abbas Taluqdar	Road	Sabipur Subidkhali	200 0 0 300 0 0		
			The tenants of Nawab Absan- ullah Khan Bahadoov. Baboos Baroda Kanta Ray, Brojo	A Musonry ghất	Patuakhali	1,000 0 0		
i			Kanta Ray and others.	A Masonry gnat	Chur Kakra	200 0 0		
1	Backergunge	1	Hari Das Pal	Do.	Kalupura	230 0 0 400 0 0		
1	Datacipungo	ì	Kalu Bhuiya Myanuddin Koyal	llo	Difto	300 0 0 850 0 0		
i			Alam Khan Hamizuddin Patwari	110 Dn	Bejoypore	800 0 0 800 0 0		
1		1	Azimuddin Patwari Aitharam Jugi	Do	Chur Khotifa Madanpura	250 0 0 250 0 0	4.400 0 0	
1		٢	Rechoo Mandal	Tank	Bondu Boalia	500 0 0 400 u 0	9,400 0 0	
1			Alı Mırdha Myaram Mistiri	Po.	Bon Bangian Mondol Sheiu	400 9 0 1 275 0 0 278 0 0		
5		1	Sidar Mandal Uday Dam	100 100	K-okil	850 # 0 250 U 0		
2			Gopal Sarcar Midarce Moodi	Do Do	Gonrie	250 0 0 800 0 0		
9		1	Bhengu Sherk Joy Singh Das	10	Plainpur Char Khai	400 0 0 300 0 0		
DACCA - concinued.		1	Joy Narsin Changa Giri Jugi	Do	Koostia	250) 0 300) 0		
1		1	Radha Changa Moddee Sheik	De	Azmotpore	220 1 0 200 0 0		
j	1		Jolee Sheik Mehar Ali Sheik Mahesh Chandra Shaha	100 100	Klingdohur Hoogin	500 U 0		
1	Mymensingh .	j	Netni Changa	Do	Deopara Barlor	400 0 9 350 0 0		
1		İ	Needani Mandal Ainor Khan	Do	Shi rampore Amirabari	400 0 0 300 C 0		
1			Madhoo Mandal Joy Goyanda Sarmah	Do, Do,	Ditto	850 (0) 275 (- 0		
1		1	Uma Nata Mazumdar Karim Mandal	16 16	Dandebpore	295 0 0 900 0 0		
1			Abdool Sheikh Sringiti Jannobi Chaudhurani	Do.	Tangail	800 0 0 1,000 0 0		
			Azit Khalifa Abdul Palwan	Do	K-okoomari	300 0 0 500 0 0		
i			Akhal Sheikh Krishna Talukdar	Do	Ronagaw	500 0 0 400 0 6		
1			Goomani Sheik Padma Biswas	Po	Joyongeor	800 0 0 500 0 0		
1			Ishan Chapdra Biswas Kali Das Chaudhuri	Do	Beeshompur Chunderko a	600 0 0 500 0 0		
		9	Mohamooddee Faktr	110	Shoonai Bhiguri Konda	. 200 0 0	14,640 0 0	
					TOTAL OF DACCA DIVISION			25,365 0 (
			Meharuli Akbaruli Intto	Tank Wosque	Dhemsa, Satkanea	1,300 0 0 200 0 0		
1			Chandi Charan Chowdry	Tank Do,	Chambal Jaldi	400 0 0 400 0 0		
1	Chittagong	1	Drahim Sadagar Ram Chandra Tarkabhusan	Do, Do,	Miler hat, Cox's Bazar Gopmathpore, Zorargunge	500 0 0 0 200 0 0 0 0 0 0 0 0 0 0 0 0 0		
1) 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100	1	Ram Shebak Panchayet Abdul Majid	Do	Kyerbib Kutubdia	250 C 0 300 0 0		
			Eusaf Ali Works costing less than Rs. 200	Do	Dhurung do,	220 0 0 953 0 0		
			each. Shafatuddi of Khilalpur	Tank	Khilalpur, station Daudkandi	300 0 0	4,723 0 0	
1	8445 201F	1	Nawah Khuja Asanulla of Dacca	Pucca ghat in river	Station Myradauser,	2,000 0 0		
1	Tipperab	1	Srimati Jasada Chowdhurany of	Large tank (dighi)	Luksham	13,000 0 0		
1			Baboo Asutush Nath Roy, Zemin- dar,	Tank	Nionrail, station Brahmanbariah	400 0 0		
		1	Ditto ditto	do	Shayadpur, station ditto	330 0 0	13,050 0 0	
il		1	Krishna Manual Rakhit	Excavation of tank	Char Rahim neur public road, police station Sundia.	800 0 C		
		!!	Ram Kumar Shaha	Ditto	itam Kumar Shaha's hat, police	250 0 0		
il		11	Abazna (woman)	Ditto	Natchira Shaheh's eight annas, police station Hatah.	269 0 0		
1		11	Kali Sundari (woman)	Ditto	Ditto ditto	250 0 0		
		!!	Braja Mohun	Ditto	Dehipur, village Raipur, outpost Lakhipur.	325 0 0		
il			Karimuddi, Lewan and Dowlut Ghazi Tapadar.	Ditto	Ababib Lakhipur	250 0 0		
		1	Ashruff Bhuma Bhairah Chandra Mahenda	An old tank re-excavated	Nunder Bewa hat, public road- side, Sundep police station.	200 0 0		
	Noakhally	1	Jaga' Chandra Shan	A khall	Kusha Khali in Forushgunge out-	309 0 0		
			Lai Chand Mistri Alsoruddin Bhuian and others) Do.	Post.	900 0 0		
			Standard and all others		Foon Cheori khal, through Saista- nagger village to Kaloundi khal	300 0 0		2.
1		1	Allahuddin Bhuian Srimuti Dasa:ni	Tank	in Sen Bag. Big Bagh in Sen Bag Kaderpore ditto	300 0 0 400 0 0		
		1	Romendra Shaha	A small masonry bridge Tank	Mahamadpore	300 0 0 250 0 0	1	1%
i			Manaraddy Patwary Somiraddie Patwary	Masjid	Bancha N gore in Lakhipore	900 0 0 425 0 0		O _C /VI
1	F		Asimb Ah Chowdhury	Tank	Keors in Raipore cut-post Kushakhati in Forangunge out-	375 0 0 275 0 0		1.
1		1	Works costing less than Rs. 200		post.	1,950 8 0		4
	Chittagong H	1111	each.			- · ·	7,610 8 0	
	Tracts.	at	a atom.	3*******	name.u		J	
. 11	t:	- 1			TOTAL OF CRITTAGONG DIVISION	, m.,		

District	r.	Name of individual by whom constructed,	Description of work.	Place where constructed.	Cost.	Total of districts.	Grand total of division.
Patna	{	Paranzi Singh Jugulkeshwar Shaw	Pucca well	Potwah Puras	Rs. A. P.		Rs, A.
Gya	{	Bhaga an Sahu Agurwala Mr. Sahuno Dikto Ditto Purbhoo Singh Works costing less than Rs. 200 each	Well Three wells Two wells Well Do.	Hybritipore	2-0-0-0		
Shahabad	; — — — — — — — — — — — — — — — — — — —	Saht Narain Lall Rhikhati Sonar Tahu Johna Doo Roy Mussamut Jirma Akher Ally Gango Paure Maharajah of Doomraon Nanhak Missir Hussamut Deepa, wife of Deepa Missir Mussamut Deepa, wife of Deepa Missir Mussamut Parshad Thakur Bania Baboo Raghu Nath Charan Singh Works costing less than ks. 200 each	Pucca well Ditta Ditta Ditta Ditto Tank	Breanthere Doom-is Doom-is Doom-is Doom-is Doom-is Doom-is Doom-is Doom-is Sonbirs Sonbirs Sonbirs Ditto Estab Barah	315 0 6 305 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0		
Mozufferpore		Ajadhia Pershad Srikusen Agurahri Lachmi Pershad Harukh Roy Rum Dihai Luhno Jairaj Ojha Jairaj Ojha Jairaj Ojha Jairaj Ojha Getha Raot Busraj Raot Mussamut Golat Komar Hanoman Mahten Works oosting less than Rs. 200 each	Well Bridge Track Well Do, 100, Two wells Trank Da, Do, Well	Mahamedporo Gucha Jahangupore Panapate Gabrahi Bishunpore Rajkha Ditto Bajidpore Laptabha Bara Bhitta Rahmaporo	5,50 0 0 0 3,65 0 0 0 250 0 0 0 200 0 0 0 200 0 0 0 200 0 0 0		
		Hega Singh Shaish Nakti Herde Narain Singh Domare Kant Nathu Missir Mussamat Saslote Ojhain Jhahu Gope Bacha Sahu Bhikhan Sahu Bansi Jla Gopal Thakur Bishun Barhi Chatter Sahu Adhkari Sahu Teli Bhekia Raot Mussamat Sarsath Bahuria Mussamat Sarsath Bahuria Mussamat Jagpati Kuer Munshi Mahbooh Ally Bhukha Sahu Teli Works costing less than Rs. 200 cach	Do Do	Neur Badshaon Badta Nagar Narae Keshi Nama Ghane Deadha Koor Suth Chooni Bhejah Belhi Jerajah Monthadf Mohus Ekdora Pati Mohar Chorhi Kuore Siva Slughpore	200 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0		
Sarun		Widow of Saligram Sahai Mohan Bhagut Nonior Ganga Fershad Sariar Roy Assoc Ract Sewhurt Sah Sadha Brahmchari Baboo Ram Rachha Sagh Mocce Sahu Moala Karri Manharun Gir sam Lall Ramdha i Rowniar Anarmah Gir and Coomar Gir Bansadhar Missir Kemal Palree Ramdeni Show Sarun Rey Bharuth Berihar Monohur Lall Biudesty Tewari Mussamut Hiria Kalwarin Works costing less than Rs. 200 cach	Du, Do, Do, Do, Do, Do, Do, Do, Du,	Taknamas Parowli Jitwarpore Kachuar Kachuar Kachuar Kachuar Kajeepore Saraiah Jiradeyee Bhothe Sahah-uddin Nemjee Tollah Bungrah wathia Godna Mafee Tollah Gurkha Nuadiha Lajonar Jinto Ditto Dadunpore Labjee Do. Sonbursa Kapia	500 0 0 0 450 0 0 0 450 0 0 0 0 300 0 0 0 250 0 0 0 200 0 0 0 200 0 0 200 0 0 200 0 0 200 0 0 200 0 0 0 200 0 0 0 200 0 0 0 200 0 0 0 200 0 0 0 200 0 0 0 200 0 0 0 200 0 0 0 0 200 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	41,369 0 0	
Chumpseun	-	Laji tam Marwari Parmesher Tel. Harangi Missir Karta Kuer Jhingoor Missir Ganga Raj	Do. 110. 110. 110. 110. 110. 110. 110. 11	Motihari Betriah Machargawan Bagar Bibari Mahmda Kurmera Lowkaru Nusravlin	4,000 0 0 9,000 0 0 1,000 0 0 8,000 0 0 200 0 0 200 0 0 200 0 0 200 0 0 210 0 6 15,317 0 0	38,327 D 0	ŝ
		101 (d)	1	TOTAL OF PATNA DIVISION			1.26,884 Ø

District.		Name of individual by whom constructed.	Description of work.	Place where constructed,	Cost.	Total of districts.	Grand total
			Dark.	Chaksi	Rs. A. P.		Rs. A.
	(Bishoon Pershad Buchee Misser	fank Do	Pablani Chuck Bharo	300 0 0 400 0 0		
	-	Girber Misser Kunchan Jobha	Pucca well	Last	200 0 0 500 0 0		
	- 1	Gangadeen and Amritfal Kalwars Mussamat Champa Kumri	Ditto	Bandhers	300 0 0 225 0 0		
	1	Roona Roy Sonoo Choudhry	Ditto	Bishoonpore Sahraj	300 0 0 200 0 0		
		Darbhangi Choudhry Tribeni Prosed	Ditto Ditto	Manjhatd	275 0 0 250 0 0		
Monghyr	}	Gyan Das Gossain	Ditto	Ballish	200 0 0		
		Ram Lai Misser	Ditto	Sanha Parhara	200 0 0 300 0 0		
		Pachu Manjhi Babu Rup Lal	Ditto	Barowin	200 0 0		
5	1	Chanchal Singh Manbodh Roy	Ditto	Phulweria	250 0 0		
	1	Bundi Roy Mussamat Chora Kumri	Ditto	Clink Saydad	200 0 0		
		Raghunath Sahai Batan Adhabonia	Ditto	Mooradpore	970 0 0		
	1	Blukhari Mahton Ram Lal Mahton Koery	Ditto	Mahuddinagar			
		Works costing less than Rs 200 cuch				10,540 0 0	
		Kanchan Mandul Tekun Ojim	Tank	Dhobowii	500 0 0		
		Hansraj Singh	Do.	Permanandpore	600 0 0		
1		Mehi Gope	Do	Massha Baroneo	. 355 0 0		
Bhagulpore		Noonoo Kalwar Sadhry Mandal	Do	Interputh	800 D ti		
1		Latchand Phanook Panchu Hajra	Do	Mojharee	300 0 0		
		Gopal Shaw Dewan Mandal	Do	Hugalia	700 0 0		
		Ashruff Meeah Works costing less than Rs. 200 cael	The state of the s	,	405 0 0		
					600 0 0	6,135 0 0	
		Lakhan Das Mohunt Mussamat Bairsia	Tank Do,	Karnoria.	200 0 0		
Purneah		Gopal Maneal	Do	Parabta	500 0 0		
1 41124	(22)	Bansi	Do. Well	Azamuagar	. 200 0 0		
		Bedosi Bhagat Works costing less than Rs. 200 each			845 0 0	3,005 0 0	
		/ Jhubha Mandal	Tank .	Kashba Nashirabad	t con n n		
1		Ishwar Mandal Mohamenda	Do.	Ditto	. 850 0 0		
Maldah		Enactulish Mandal	100,	Armagar	650 0 0		
		Mehern Mandul Jadab Hari	1 110	Mohanigar Ditto	1,200 0 0		
		C Ghoneshyam Chaudhury	100.	I PURTUROS IDOIO		5,975 0	
		Ghatwals, mustagirs, and ryots	() (2) new	Throughout the Deoghu		2,510 3 1	
		tuppeh Saruth Deoghur	80 old .	sub-division .	*4,213 14 6		
		Ditto ditto of ditto .	Tanks (7 new 112 old 1 Hirday Bandh, 76		. +275 0 0		
Sonthal P	orgun-	Court of Wards' estate Robini	feet long.	The second	. 800 0 0		
nabs.		Mr. Grant, Zemindar	tank.	Tetris	700 0 0		1.0
11		Suphal Mandal Mr. W. Maling Grant, Zeminder.	Road 1] miles long	" Assenbont Doonka	. 204 13 0		
1		Dato dato dato Dato dato dato Works costing less than Rs. 200 ea	Bandh 662 feet long	Bhaski in Taluk Chaptian	538 11 6 1,618 9 6		
				TOTAL OF BHAGULFORK DIVISIO	ж		35,698
							
[Hazaribag	rh	Works costing less than Rs. 200 ca			138 0 (138 0	0
Lohurdug	ga	Wanni Putta	daynating a tank	Nowadih, perganuah Tundee	200 0 0		
Manbhoor	10	The second secon		Topechanchi, persumah Katra police station Topechanchi.	80 0 0	1	1
2.4	et 81	Works costing less than Rs. 200 es				880 0	0
		Ing to Rout	Tank	Koomardangi, pergunnah Dh	al- 300 0 0		
Singbhoor	m	Minor Takur Mohendra Na			800 0 0		
1.1115.1111.011	. ·	Weeks costing less than Rs. 200 er	200		45 0 0		
					-		0 1 400
1			F	TOTAL OF CHOTA NAGPORE		******	1,683

^{*} All for improvement of land.

† Though called an embankment, is in fact a received for water.

	District.		Name of individual by whom constructed.	Description of v	work.	Place where constructed.	Cost.					Total of districts.		Grand to of divis	
1							Rs.	А. Г.	Rs.	A. 1	P.	Ra;	۸,		
1		(Futteh Chand Marwari	Well		In Nyasaruk town, Cuttack	940	0 0				,			
l		- 11	Kusum Mahanty	Tank		Robin, pergunnah Kutev	375				1				
١			Barju Naik	Pucca building		Khasapadia, pergunnah Assuresia		0 0			1				
l	Cuttack		Raja Padmalabh Bhuni	Two tanks		Radapali, killa Kanika	250	0 0							
ì		i	Ditto ditto	Tank	***	Marichanali, killa Kniang	220				1				
ŀ			Kesuh Malmpater and Gopal			Sasoon, killa Kanika	300		ì		1				
ŀ			Khandsit Roy.	I STATE		- MITTELL VERSION CONT CONT.									
١		C	Srinath Mircop	Do.	••	Bajpore, ditto	250	0 0			1				
١	Pooree	ſ	Raja of Parikood	Do.		Baral, station Sudder	000	0 0	\$,60	5 0	0				
	rooree	··· (Ditto	I Do	•••	Chareys, ditto		0 0			ľ				
1		c	Fakir Das	Do.		Turkia, police-station Juliasore	1200	0.0	40	0 0	٥١				
l		- 1	Mano Das	Do		Koredachor, police-station Busta		0 0							
1			Jagarandhu Mallik	110		Rughu Mahanty Guruji, police.		0 0	1		1				
i		11		0 2000	100	station Balasore.	010		18		1				
1			Netya Churn Das	Do.		Sahajipatna, police-station Bala-	275	0 0	1		١				
ŀ	Balasore	- 1	Mudhu Sudan Das	Do.		Toondra, police-station Balasore	550	0 0			1				
١	57900000	11	Gopinath Panigrahi	Do.	***	Mate dista Page	350				1				
			Doorlabh Behera			Inthe date do	752		1		1		10		
1		1	Jagannath Panigrahi	7)		Narsingpore, ditto do,	6(8)		1		1				
		- 11	Massamut Nirasi Bews	1)		The second of th		0 0	1		1				
1		- 11	and great			pore.	0.10		1		1				
ı		(Prosad Dass	Do.	***	Sorogoria, police-station Bhud-	45)	0 0	1		- 1				
1		1				ruck.			5,14	7 0	0				
		- 5		1		TOTAL OF ORISSA DIVISION					-	7,643	- 94		

			Summary.						
m 4-1-00 1	TV:		50				.Rs.	A.	P.
Total of Burdwan	Division	***			***	***	17.766	4	6
Ditto Presidency	ditto	•••		•••			21,030	()	9
Ditto Rajshahye	ditto			•••	***	***	61,896	5	0
Ditto Dacca	ditto						25,365	0	0
Ditto Chittagong	ditto		•••				28,383	8	0
Ditto Patua	ditto	•••					1,26,884	0	0
Ditto Bhagulpore	ditto	***	•••	***	***	***	35,693	2	8
Ditto Chota Nagpore	ditto		•••				1,663	0	õ
Ditto Orissa	ditto		***			***	7,612	0	0
									_
			GRAND	TOTAL OF	DIVISIONS	***	3,26,323	3	9

Rainfall, Weather, and State and Prospects of the Orops.

Statement showing Rainfall, Weather, and State and Prospects of the crops in the different districts of Bengal, as reported to Government during the week ending the 10th March 1888.

1	No	.	District and date o	- 1	Rainfall at Sudder Station in inches.	Character of the weather and state and prospects of the crops.
BE	N(GAI	<u></u>			
			Western District	53110	Nil	Worthern constitution of a second constitution
*	Í	1	Burdwan, Mar 10	, '88		Weather—scasonable. Rubbi harvest is turning out a very fair one. Ploughings have been extensive and prospects are good. Common rice stands at about 20 seers per rupee on the average.
BURDWAN DIVN.	1	2	Bankoora ,, 10		6.10	Weather—days hot and nights cool. Pressing of sugarcane continues. Mustard, arhar and barley being gathered. Wheat ripe for catting. Prices stationary.
RDW	ı	3	Beerbloom ,, 10 Midnapur ,, 10		V	Weather—cooler since the rain of 9th. Rubbi harvest going on; outturn good. Weather—warm, but seasonable Boro crop progressing well; also rubbi in
B		5	Hooghly ,, 10 Howrah ,, 12 Oolooberiah		11.4:-1	west and south of the district. Weather—normal. State and prospects of crops good, Strong south winds. Reaping of sugarcane continues.
			ě			
		100	Central Districts			
×.	1		24-Perghs. Mar. 1			Weather—hot with heavy showers of rain. Prespects of crops satisfactory. Sugarcane is still being cut. Lands are being tilled for vice erep.
DIV	1	7	Nuddea ,, 10	, '88	0.11	Great heat in daytime. Light tain on the 9th. All unhard sted winter crops good; general outfurn of those havested good. Ploughing and sowing in
PRESTURECT DIVE.	1	8	Khoolus ,, 10	, '88	1.09	good progress. Weatherwas getting warm until the 8th, when a thunder-storm cooled the air. Cold-weather crops, as also the mange crop, promise well. Transplanting of boro rice going on
PRE	ŀ	9	Jessore 10	, '88		Weather days warm, nights still cool. Ploughing of rice lands in progress. Rain much wanted. Linseed, barley, masuri and kalai being gathered.
	١	10	Moorshedabad ,. 10 Lalbagh), '86 	0.03	Weather-getting warmer. State of rubbi crops good. They are being cut and threshed.
	,	11	Dinagepur Mar. 10	, '85	Nil	Weather- seasonable. Prospects of rubbi and other crops satisfactory. Lands
			Rajshabye "10	, '88	Nil	are being ploughed for bhadoi crops. Price of rice stationary. Weather - seasonable. Prospects of boro paidy and spring crops generally
Калзнантв Лічи.	١	12 13	Rungpur "10	, '85	Nil	good. Weather—hot with west wind until Thursday (8th), when it became cloudy and cool. Tobacc and pulses are being cut. Aus rice and jute are being sown. Rain is much wanted.
AHY	1	14	Bogra 10	, 'ES	0.16	Weathervery hot up to the 8th, when clouds and a high wind arose, and slight rain on the 9th. State and prospects of crops satisfactory.
AJSH			Pubna ,, 10 Darjeeling ,, 10			Slight rain on the 9th. Weather cooler. Prospects of crops good. Weather-cloudy; rain expected. Rain wanted for spring crops. Prospects
E		12020	Julpigoree ,, 10	, '88	Nil	otherwise favourable. Weather—bright and warm in the early part of the week; latterly cloudy. Prospects of rubbi crops good. Tobacco is being cut. Pressing of sugar. cane in progress.
			Eastern Districts	តា		PE PAGE
		18	Ducca, Mar. 10		Nil	Weather-fine and getting hot. Ploughing for early rice and jute going on.
MCCA DIVISION.	1	19	Furreedpur ,, 10			Pulses are being harvested. Prospects continue good A slight shower on the 9th. Weather slightly cooler. Harvesting of rabbi- crops proceeding with good outurn. Lands are being ploughed f r jute and
DACCA	1	20 21	Backergunge ,, 9 Mymensingh ,, 9		2000	weather—seasonable. Prospect of crops good. Weather—sultry. State and prospects of crops good.
JYM.	1	2 2 23	Chittagong Mar. 1 Nonkholly ,,	3, '88 9, '88		Weather—seasonable. Prospects of winter crops good. Prices stationary, Weather—getting warm. Rubbi crops are doing well. Land is being prepared for aus crop.
CHITTAGONG DIVE.	}	24	Tipperah "	8, '88	Nil	Weather—gradually getting hot; nights and mornings cool. Harvesting of sugarcane and pulses nearly completed. Prospects of standing crops excellent.
ITTA	1	Z5	Chittagong Hill "	6, '88		Weather—dry and hot during the day Thick fog still continues in the more-ings. Tobacco and other winter crops doing well. Jum cutting progressing
C	J	124	Hill Tipperah "	7, '88	Nil .	Weather—unsettled. Cutting of sugarcane and tobacco nearly over. Sowing of til oil-cods and transplanting of boro paddy still going on. Chillies doing well.
			1 'w		1	1

1	To.	District and date of return.			tainfall Sudder tation in inches.	Character of the weather and state and prospects of the crops
3E	HAR.					11 11 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
	26	Patna	Mar. 10	, '88	Nil	Weather-clear and getting hot. Prospects of spring crops and opium continue favourable. Harvesting of rabbi crops and gathering of opium going on.
Y.	27 28	Gya Shahabad	, 10 , 10	, '88 , '88	Nil Nil	Weather—seasonable. Rabbi being harvested and opium extracted Westher—getting hot. Harvesting of rabbi crops in progress. Weather continues favourable for poppy; the drug is being collected and the produce is reported to be very good.
PATRA DIVR.	29	Durbhungs		, '88	Nil	Weather—getting warm. Rubbi harvest has commenced Opium is being collected. Mango trees are in blossom. Indigo sowing in progress. Price of common rice averages 21 seers per rupee.
PA	30	Mozufferpur	., 10	, '88	Nil	Weather - worm. Harvesting of rubbi crops commenced. Indigo seeds are being sown. Collection of opium is being pushed on; one-half the drug housed; produce adequate; weather favourable.
	31	Sarus	10	, '88	Nil	Weather - warmer than the preceding week. Harvesting of rubbi crops in full progress. Collection of opium is being made. Indigo sowings going on.
	32	Chumparun	10	, '88	Nil	Weather fair; days warm; nights cool. East wind blowing. Rubbi crops ripening. Peas being collected. Extraction of opium progressing with fair outturn.
Ě	. 98	Mongayı	Mar. 1), '88	Nil	Weather—seasonable; getting warm. Harvesting of rubb, crops has commenced in places. Collection of opiningoing on. Indigo sowings in progress with the best prospects.
ORK Dr	34	Hungulpur	1	n, '88	Nil	Weather- still pleasant. Rubbi harvest commencing with outturn below the average. Peas and rahar are best crops. Rain wanted for indigo coltivation.
BRAGULPORE DIVE.	я5 86	Purneab Muldab	1	n, '8< o, '89	Nil Nil	Weather - seasonable. Tobacco is being cut; a fair crop. Weather - seasonable. Rubbi crops doing well except in thana Rahia and out post of Tulsihatta where some damage has been done for want of rain Transplantation of boro paddy continues. Common rice sching at an averag of 23 seers per rupec.
	27	Sonthal Perghe	, 1	0, '88	Nil	Weather-getting warm and rather cloudy. Sugarcane planting and indig sowing going on.
01	RISSA					
IAN.	(BB	Cuttack	Mar.	9 , '8 8	Nil	Weather—fair. Dalua.vice is coming into car. Prospects of dalua and mang good. Dalua is partially suffering from drought at Banki. Tobacco and
ORISSA DIVE	\ AP	Pooree	,, 8	3, '88	Nil	wheat being reaped. Price of common rice unchanged. Weather—seasonable—Land is being ploughed. Dalua vice is ripening Rubbi is being gathered. Common rice 24 seers 2 chittacks per rupse in the Sudder sub-division, and 23 seers 8 chittacks in the Khorda sub-division.
0	40	Balasore	,, (), '88	0 40	Weather seasonable. Recent run very favourable to cultivation. Dalua rice promises well.
Cl	ATOL	NAGPORE.				
	8ou	th-West Frontie	r Agency	y		
CROTA MAGPORE DIVA.	41	Hasarinagh,	Mar.	9, 8	Nil	Weather - seasonable; getting hot. Rubbi has yielded about S annas. Sugarcane has been a tull crop in most places. Collection of opium is approaching completion and the out urn has been good so far. Prices stationary. Cattle-
OR	42	Lonarduges	,, 1	0, 'ه ^ر	0.01	disease in a few villages. Weather-cloudy and warm. Harvesting of rubbi going on Prospects of
[40]	43	1 20		9, '88	Nil	mango good. Prices stea y. Weather—getting warm; cludy during the last two days. Rubbi being har-
HOTA !	44			0, '83	Nil	vested; expected outturn 12 annas. There is a rise in the prices of feed- grains. Weather—hot with clouds hanging about. Prospects of moluta and mange are

Published for general information.

CALCUTTA, REVENUE DEPT.; The 13th March 1868. P. Nolan, Secy. to the Gort. of Hengal,

Meteorological Report of the Province of Benga

		İ		en also tropped (1944)					TAT	ON O	BBERV	ATIONS.					
			Ar	R PRESSI	rr.	Wi	ND.					Темри	RATUKE.				5000
DISTI	ucr.	Representative station.	Mean barometric height, is A.M.	Mena reareed to sea-ferel.	Variation from mean.	Prevailing direc-	Mean wind velo-	Highest during		Date.	Lowest during week.	Date.	Mean maximum :emperature.	Mean minimum temperature of week.	Man daily tem- perature of week,	Variation from normal mean of week.	Mean to a v
N	5	Gopulpore	291971	30'016	+:038	Calm	141.0	86.5	8th	Mar.	66 9*	oth Mar.	817*	76'9°	77.6*	+0.4	
Proree	" " }	False l'oint	201989	30'011	+'007	sw.	2000	85.9	6th,	7th	64.0	9th ,,	65:2	67-9	76'8	-1.3	١,
Cuttack	200 000	Cuttack	201927	301.00	+52)	Calm	4110	97.9	dth,	Mar-	618	9th .,	90.3	68.4	82.4	+0.4	8
Balasore		Bainsore	29766	201104	- :01n	Northerly	99.3	92.4	6th	Mar.	60.8	3rd, 4th ,,	91.4	63.8	, 77.6	-1.0	
South-West M	Idoapore)	Sangor Island		35.000			0		8th	Mar		n.h	85:3	73.6	79.2		
South 24-Perg	mnnnhs 5	Saugor Island	29 980	31 (00)	1.008	SW	305.0	86.7	7th	"	66.9	9th	00.0	100	75 5	+0.8	
Midnapore	101	Midnapore	29.854	30.002	+ 605	s	68.5	97:3	8th		59.7	3rd	95 2	64 4	79'8	+0.1	
24-Pesgunun	18																
Hewrah		Calcutta	19 967	237.89	'003	8W	75'0	91.2	6th,	7th, Mar.	59.8	3rd "	10.4	64.1	77:3	-0.1	
Hooghly	i								, our	,,,,,,							
Burdwan		Burdwan	20 882	201981	-1001	Westerly	51'9	95.a	7th,	Sth Mar.	59.4	3rd ,,	93.3	627	78 0	-0.1	1
Hankoora		Bankoora	297757	-		NW	32.0	91.0	sth		61 8	3rd ,,	89.8	66.6	78.2	-	8
Beerbhoom		Rancegunge	29 052	29 ! 6	1.008	M.	79.5	96.5	Sth		61:4	ard "	92.9	62.8	79'2	+1.8	١,
West Burdwa	n	()						2.0000							oce/		ĺ `
Moorshedabad	1	Berlampore	20 917	20/985	+ 0 4	Westerly	52 6	91.7	8th		58.2	3rd	91 1	63.1	77.1	+1.5	1
Nuddea		Krishnighur	201808	29.9.5		M.Z.M.	69 1	947	71h	"	-51'8	3rd	92 6	60 5	76'5	-	1
Jes-ore		Jessore	201906	20 950	+"tx:5	WsW	61.7	983	7th,	·th	5610	3rd	03 4	62.5	77.8	+0.3	١,
Khoolna					l	ESTATE OF				Mar.	أوليو	2272			4500		
Chittagong		Chittigeng	29:9.7	3970/8	F 003	Calm	72.0	88 1	6th.	Mar.	29.6	3rd .,	86.6	614	75.5	+0.7	1
hittagong H	Il Tracts	Demogri	wn-10-17				Observa				2000		1000				
Backerannge	***	Barrisel		20 PS3 50 001	+ 015	W	66.6	90 3	fith,	7th	59 1	3rd ,, _	87:8	01.1	76 5	-1.8	1
Nonkholly		Norkholly	257957	297904	+ 1011	Calin, S.W.	56°0	897	.5th	Mnr.	55 8	3rd ,,	87:3		74'5	-1'4	1
Purresdpore		Furreedpore	29.954	20 000	+ 018	,	200	81.2	7th	"	55.0	3rd .,	.01.0	60 8	74'1	-5.9	1
Jacon		Dacca	291989	29 982	+ 006	sw	61.0	93.1	7th,	Sth Mar.	59.3	3rd "	61.8	64.4	78.3	+17	1
Commillah	m:	Commillah	20:007	297993	+:008	sw	Di H	92.3	6th,	7th	55'5	3rd ,,	80.8	61.0	76'4	+3.7	,
dymensingh		Mymensingh	291035	20 904	4.008	E-E	6,0	90'5	7th	,,	57.6	3rd	88.7	60.8	74'8	.+3.0	
logra		Bogra	29:896	297980	-:012	Calm	4479	95.3	8th		56.5	3rd .,	91.9	80.8	76.4	-	1
dhna	w ex	Serajgunge	29:928	29 9.5	+ 102	Variable	40 3	93 3	8th		53.0	31d ,,	. 90.8	89 8	75.8	+1.3	1
Rajahahye		Rampore Beau-	29.913	20 9-4	+10.3	A esterly	53.0	03.3	8th	.,	53.7	3rd ,,	80.0	59.3	74.6,	-0.8	
faldah		Maidah	20.895	-		NW	90.0	03.5	8th	"	93.0	3rd ,,	91.8	59.4	75 5	-	1
inagepore		Dinagepore	29.851	201072	+ '017	Calm	66.0	951	sth	.,	55'2	3rd "	913	59.7	75.2	\$2.2	١,
Rungpore		Rungpore	29.851	29:978	+ '012	E	63.0	92'8	sth	.	26.8	4th ,,	89.9	50.5	747	+8.1	,
Julpigoree)						GASS	RE-EL			0,0		1992			T01	1
Cooch Behar)	Julpigoree	29.648	29.881	+.058	R,SE	21.1	90.0	sth	"	56.9	8th ,,	87:6	61 3	74'4	+8.4	1
Darjeeling Hil	Tructs	Darjeeling	23 061	_	7 '007	Calm	50.0	63.4	6th		42.6	sth "	59.9	45.4	52.7	+4'1	١,
Purneah)				10.00000	,	(0.230)	3000					1200			13.	Ι.
North Bhagul	pore}	Purneah	21'853	20:281	+*012	Calm	29.5	4 93.7	8th	"	55.8	4th, 7th ,,	80.0	9.63	74.8	+2.2	1
Hozusterpore		Mozufferpore					Observa	tions su	spend	ed.							1
Durbhungs		Durbhunga	29.806	29.978	+.011	w	78'0	87.2	8th		61.9	8rd ,,-	-84.9	64.2	747	+2.8	
Chumperun		Motihari	29.718	28.940	+.006	Calm,	112.9	80.8	7th,	8th	53.2	5th "	89.7	\$0.0	73.2	+32	
arun (***	Chupra	29.776	29-974	002	SSW, WNW	93'4	92.5	7th	Mar.	57.9	8rd, 6th ,,	90'7	80.8	76'5	+2.6	1
	ſ	Dehree*	29.619	20.977	009	ssw	1844	83.3	7th		01.2	3rd ,,	.91.0	64.1	77'8	+4'5	
badadad	{	Buxar	29'741	20.885	4.003	WNW	116.4	93.4	7th		57.9	3rd, 4th ,,	90.7	61.8	76.2	+8:0	1
	i	Arrah	29.757	29.957	-:007	WNW	\$5°6	¥2.0	7th	,,	56.3	6th "	91.3	59.4	75'8	+1'6	1
Эу ь		Оув	29.578	291959	032	Variable	72.5	94.0	7th	,,	60.9	7th ,,	91.8	64.8	78'2	+\$'6	1
atna		Bankipore	29.793	29.980	003	w	61.2	91.6	5th	,,	8.99	0th ,,	90.4	8.09	75'6	+2.6	1
outh Bhagulp	ore}	Bhagulpore	29.813	00:075		2120	*0	93'4	746	8th	56.0	اسو	91.0				
longhyr	5	makarbara	29.813	29.977	+.018	N.M.	95.0	1/3 9	7th,	Mar.	96.0	.8rd	81.0	61.0	78.0	+10	
onthal Pergu	nnahs		29.460		+.009	wxw	87.0	95.6	8th	n	58.0	3rd ,,	91.8	62'4	77'0	+019	
lezaribagh		Hazaribagh	27.972	29.980	+'023	North	178.6	89 '7	7th		61.8	3rd, 9th,,	86'9	63:6	75'8	48:8	
oberdugga	,	Ranchee	27:854	29:990	1.000	Westerly Variable	121'2	88.7	7th		55.9	411		***	المراجعة الم	100	
lanbhoom	اد		21 001	20 100	+*027	Variable	121 2	. 00 /	1 ett	"	90.8	4th "	. 857	60.7	780	-#3	10
mhbhoom		Chyebassa	29.811		+.010	BSW	80'8	948	7th	- 1	- 1		100	CONTRACTOR !	160 1 40 00	100	4.4"

Replanation.—Summary.—The normal means of the pressure are true are true surfused to the reading fairless the main of the main of th

							DISTR	ICT OBS	ERVATIO	NS.		1			
b	the last	ä			Western			RAIN	(PALL.						
bumidity	Average cloud amount at 10 A.M. for week.	Bain'all of week observing station.	Oy W	BEE.	Since	lst of Febr	uary.	Since	15th May	1887.	aber 3.9.	raber ys.	Pepresentative	District.	
	Ploud M. fo	F. 20.	<u></u>		b.			انبق		ď.	y un	y ds.			
at 10 A.M.	To A	n'all	Mean for district.	Normal mean.	Mean for district.	Normal mean,	Variation	Me n for district.	Normal mean.	ariation	Average number of rainy days.	Sormal number of rainy days.			
at	Ave	Bai	Me	× a	A 6	2"		N P	×-	_==	٠ <u>٠</u> ٠ ا	ν, °			_
60	0	Nil	-	-	-	-	-	-	_	-	-	-	Gopalpore ·)		
	0.3	Nil	Nil	0.25	Nil	0.20	- 0126	40.47	57:60	-11 13	0.0	0.2	False Point	Pooree	
69 52	0.4	Nil	0.01	0.37	0.01	0.41	-0.40	47:62	53.82	-6.51	0.5	0.0	Cuttack	Cuttack	
42	0.4	0.81	0.17	0:26	0.12	0.33	←0.12	45'81	65.83	—9°57	6.3	0.6	Balasore	Balasore	***
					0.00	0.47	-0.52	62:82	64:46	-1'64	1.0	0.7	Saugor Island	South-West Midnap	ore
76	2.0	0.13	0.55	0.30	0.55	0.47	-0 20	0.02	09 90				Bauger Island	South 24-Pergunnah	
36	0'4	Nil	0.30	0.35	0.30	0 99	-0.89	53 28	53 19	+0.09	0.3	0.8	Мідикрога	Midnaporo	
197,27														24-Pergunushe	
53	0.4	0.11	0.42	0.40	0.42	0 61	-0.18	43.63	04.12	-10.2	0.9	1.0	Calcutta	Howrah	
										Attivi				ilooghly	
38	0.7	0.01	0.18	0.49	0.18	0.22	-0:39	47.43	48.32	-0°89 -1°82	1.0	0.8	Burdwan	Burdwan	•••
43	0.0	Nil	0.00	0.58	0.09	0.32	-0.56	51.24	53 36	-1 02	0.2	0.7	Bankoora	AND THE PERSON NAMED IN	***
81	11	Nil	0.03	0.51	0.03	0.54	-0.51	45.77	53.69	-4'92	0.8	0.8	Капеединке	Beerbhoom	•••
		0.00		0.21	0.02	0 23	-0'!X	60'17	50.81	+9 33	0.2	0.0		West Burdwan	
47	1.1	0.03	0.62	0.35	0.00	0.52	-0. ht	41.21	61.04	-6'53	('4	0.8	K right markets	. Moorshedabad Nuddos	•••
40	1.8	0 11	0.06	0 33	00								Kristinghur		***
47	1.6	Nil	6.18	0.47	0.19	0 71	-0.25	43.61	55 73	-12712	C 5	0.9	Jossore	Line Khoolna	***
72	5.4	0.01	6.37	0.22	0.84	0.85	-0.45	101'44	116 20	-4.74	1.0	0.4	Chittagong	Chittagona	•••
"	•		0 85	0.69	0.35	1-12	-0.77	65:41	84 29	-18 88	0.2	0.8	Demagiri	1	•••
68	1.3	Nil	0.19	0.22	0.10	0.82	-0.63	62.20	80-16	-17:57	0.8	0.7	Barrisal		
57	2.0	0.01	0.13	0.84	0.18	1*54	-1:+1	74'92	112 39	-37:47	1.0	14	Noakholly	Dec 2017 St	•••
5	1'3	Nii	0.01	U·71	0.01	0.50	-0.89	37:74	58'52	-20'78	0.3	1.5	Furre-dpore	1 5 CM	
				1	0.05	0:53	_0.85	49.66	62.80	-20'24	0.8	0.0	l.	Van	
4	20	0.04	0.07	0.21	0.07	0.62	-0.45	42.66	73:30	-28'55	0.2	1.0	Commillah	DESCRIPTION CANA	***
55 61	0.7	0.03	0.40	0.36	0.02	0.60	-0.22	61.23	69.25	-7.72	0.8	0.8	V		***
61		00.	000							100	272	2,000	stymensings	Mymensingh	***
48	1.4	0.11	0.12	0.13	0.17	0.35	-0.12	61-13	28.36	+2.77	0.8	0.4	Bogra	Borra	
40	1.8	Nil	0.04	0.30	0.04	0.48	-0.41	45'96	85 89	-9.43	1.0	0.7	Secajgunge	1	
80	1.4	N'l	0.02	0.51	0.08	0.722	-0.17	50.83	55'26	-4'43 -8'76	0.0	0.2	Rumpore Beautea	1	***
40	1.6	drops	Nil	0.15	Nil	6.13	-0.13	441.85	55 61	-0.70	0.0		Maidah .	Malant	•••
4	13	Nil	0.02	0.11	0.05	0.18	-0-14	69.41	\$6.18	+12.63	0.4	0.4	Dinagepore	Dinagepore	
81	0.7	0.05	0.03	0.79	0.63	0.37	-0.78	81.15	74'21	+0.91	0.3	0.4	Rungpore	Eungpore	
58	11	Nil	6.30	0.18	0.10	0 22	-0'12	118-13	111.16	+6.87	0.5	0.2	Julpagores .	Julpigoree	
	3.					0.4740				10120				Cooch Behar	••
68	3.7	Nil	Nil	0.51	Nil	0.55	-0.12	118'83	122.07	-3.54	0.0	0.8	Darjeeling	Darjeeling Hill Trac	cta
46	0.7	Mil	Nil	0.17	Nil	0.18	-0.18	65.36	58.76	+ 6.60	0.0	0.4	Purnesh -	Purneah	200
			N 10	0.18	Nii	0.53	-0.53	47:35	43.98	+3'37	0.0	0.2	Mozuner-sore	Mozniferporo	***
1 62	6.3	Nil	Nil Nil	0.11	Nil	0.11	-0.11	£0.07	44.88	+5 15	0.0	0.4	Durmongs	Darbhung	
40	11	Nil	dil	0.53	Nil	0.73	-0.51	49.82	47.19	+2.63	0.0	n.4	Motimer	The state of the state of	
ģ	0	Nil	Nil	0.07	Nil	0.13	-0·13		43'48	-3'43	0.0	0.3	Cimpra		
29	0.3	Nil			****					8.7			Denree)		
80	0.0	Nii	Nil	0.12	Nil	0.18	-0.19	38'63	40 97	-2.31	0.0	0.4	Buxar	Shahabad	
86	1:1	Nil											Arran		
17	0.9	Nil	Nil	0.13	Nil	0.12	-0'15	20.30	42.81	-3 01	0.0	0.2	(5) 31.		•••
*	14	NO	Kil	0.08	Nil	0.10	-0.10	36.81	42.12	-5'31	0.0	0.4	Вапкіроге		
4	13	NU	Nii	0.15	Nil	014	-0.14	43.60	43 90	-0.30	0.0	0.4	Buskarbote	South Bhagulpore	•••
8			wii	0.18	MII							22		Monchyr	
BI.	0	No	0.48	0.20	0.02	0.53	-0.50	23.18	51.28	+1.85	0.5	0.2	Doomks .	I described	
*	1716	9.01	Mit	0.58	Nil	0.40	-0.40	47'81	51'66	-3.75	0.0	0.2	Hazarıvagh	Labordinger	**
	. 19	6.01	Nil	0.29	Nu	0.94	-0.84	46-27	48'66	-2.39	0.0	′ 0.8	Kanen	lanbhoom	
All and the second														Manon-som	

The the man for the weak is bee than the corresponding normal mean, and possible when give, it.

The part of the six possers, the whole ear page denoted by 10. Under the need District ob eventions of rainfall the normal man the six possers, the whole early required in the district, e.g., from the total rainfall at the sub-divising

Statement of Raintal in Bengal for the week ending Frid y (6 p.v.), the 9th of Merch 1888.

					ţ	AINFAL	L.			Тот	ΛL.				
- 12			3rd	₫	51.	6th		et p	3th	5	2	Total ram-	Average total men-	Total rain-	Averag
Meteomogical division.	District.	Station.	Saturday, 3 March.	Striday, 4	Menday, 5	Treaday, (Wednesday, 7th Much	Thursday.	Friday.	Number tany days.	Rainfall week.	1st of March.	fallirom 1st of Match.	15th May 1887.	from 15 May to date.
K188A	Foorce	Pooree Khurdah Banput False Point Gor								Nd Nd Nd Nd Nd Nd Nd	Fil Nil Nil Nil Nil Nil	Nil Nil Nil Nil Nil	0 27 0 11 0 19 0 11	36:49 39:59 89:79 70:91 30:22 F	53°5 58°3 55°0 65°0
	Cuttack	Jagatsingpore Banki Cuttack Kerdrapara Jappore Pharmsalla Salipore						0.05		Nil Nil Nil Nil Nil Nil Nil	No 000, No No No No No No No No No No No No No	Nil 6/05 N/l Nil Nil Nil Nil	0:38 0:57 0:55 0:20 0:36 1	33:68 43:28 50:32 58:02 56:66 44:49 51:31	49° 53° 57° 51° 53°
	Balasore	Chardbali Bhuadruck Sorah Balasoro Jellasoro Barapodah						0.18		Nil Nil Nil Nil Nil	Nil No Nil Nil tells Nil	Nil Nil Nil Nil 0:18 Nil	0°40 0°29 0°35 0°42 6°26 0°14	43:69 47:09 41:20 51:84 40:37 46:06	55° 53° 60° 51° 55°
BENGAL.	Midnapore .	Contai Sengor Island Tumbok Midnapore Ghattal Kukushaty Herra Bhaowanpore Garbeta							020 013 020 020 Fe! 6.55 0.51	1 1 1 Nit Nit 1 1 1	0°20 0°15 0°10 0°1 Nii 1°52 0°45 0°45 0°49 0°46	0°26 0 15 0°39 Nif 131 1°02 0 46 0 49 0° 6	0.33 0.37 1.01 6.71 0.24 7	52 78 7 1/04 5/16 1 48/92 57/25 58/12 45/48 45/66 51/97	63:5 68:8 53:2 50:7 55:6
	24-Pergunnahs	Diamond Har- bour Canning Town Alipore Jail Barrackpore Dum-Dain Baraset Buscerhat						0.12	070 070 075 075 1733	1 1 N 1 1 1	0:50 0:51 0:15 Nil 0:54 1:54 0:1a	0°30 0°34 0°95 Nd 0°25 1°33 0°45	0.71 0.84 0.79 6.79 0.64 0.67	61 65 51 32 55 50 42 50 41 88 43 40 53 83	60 1 887 517 547 527 567
	Howrah	Howrah Mohesreka (Ouloberiah.)		tores			*****		0.62 0.16	1	0°72 0°16	0.055	0.80 0.58	40°37 41°19	53 54
	Hooghl y	Serampore Hooghly Jehanabad	11114 11114 11144						0° (9 0' 20 0° (0	1 1 1	0.00 0.20 0.10	0.10 0.30 0.34	0°37 0° -7 0°36	50°10 41°39 57°45	59°
3 * 86	Burdwan	Cuina burdwan Cutwa Ranecgunge Mankar							020 000 021	1 1 1 N _i 1 N _i 1	000 001 024 Xu Xd	6790 6701 6724 Nil Nil	0°51 0°69 0°. 1 0°57 }	39°45 47°30 55°68 47°08 43°62	46: 49: 41): 50
	Bankcora	Bankoora Bishenpore Maliara Khatra Indas Kotulporo Anda Gangajalghat Harpore Sonamukhi							0.35	Nd Nd Nd Nd Nd Nd Nd Nd Nd Nd Nd Nd Nd N	Nil unii Nil Nil Nil Nil unii Nil unii Nil Nil Nil Nil Nil Nil Nil Nil Nil N	Nil 035 Nil Nil Nil 000 Nil Nil Nil Nil Nil	0.72 0.31 0.07 0.25	45:37 57:37 50:25 55:12 41:84 46:10 39:49 50:49 53:64 37:31	£3 51 £9 57
	Beerbh-om .	Bh. Soory Hetampore Rampore Hant Botpare				1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1			0.10	Nil Nil Nil Nil	0°10 No No No	NII NII NII	0.58 0.58 0.59	50:64 51:87 45:40 42:45	63 63 63
	Nudde u .	Ranaghat Kishnaghur Choonlanga Menerpare Koosatea	 	 		 		 	6:18	Nil Nil Nil Nil	6/18 6/11 No No No No	0.18 0.11 Nil Nil Nil	0 44 0 44 0 54 0 69 0 55	41.23 43.92 43.41 48.94 41.99	49° 67° 68° 49° 66°
	Khoolna	Satkhira Eurareat Knooina						0.04	0.07	1 Nil	0.04 0.04 0.04	0.04 0.04	0°92 0°45 0°82	40°91 54°69 45°00	68 61 67
	Jessore "	Namil Jesser Jinendah Migoorah Bongong	**************************************				******		0 · 7 0 · 65	Nil Nil 1 1	Nil Nii Con 0 07 0 65	Nil Nil 0 09 0 07 0 65	0 53 0 64 1 07 0 62 0 59	24.73 42.21 41.11 32.51 06.71	56 56 52 52
	Moorshedsbad	Kandi fertampare . Labagh Aznagungo Jungapore . Labaha Akkeyani Patamri							0.08 0.06 0.10 6.13	Nil 1 1 1 Nil Nil Nil	Nil 0+3 6 06 0+6 0+3 Nil Nil Nil	Nil 0'03 0'06 0'10 0'18 Nil Nil	0:15 0:34 0:26 0:26 0:46 P	47.82 55.67 70.90 60.50 63.87 62.62 53.44	51 52 49 51 49
ST BENGAL	Chittnenng	Cox's Bazar Chittegous Katubdia						9°28	0.48	1	0°16	0°28 0°46	0°80 0°75 }	128'88 79'94	185
	Chittagong Hat, Tracts,	Rangamati							0.09	1	0.00	0.00	1.07 1.12	66 23	61 81
5	Buckergnuge	Patunkhally Petozepore Burrisal Bhola			40.00 40.00 40.00	#***** ****** ******	d 	0.28	0·18 0·29	N9 1 1	Ni) 0 28 0'.8 0'20	Nil 0'28 0'18	0.48 0.86 1.00 1.13	60-10 60-10 50-00 50-00	90 71 71 88

Statement of Rainfall in Bengal for the week ending Friday 6 p m., the 9th of March 1888 -contd.

Bengal North Bengal North Bengal Bogra Rajsha Mulda Dinage Lungp	District. Tonkholly urreedporo acca ill Tipperali pperali ymensingh	Gournaddi Bauphal Nonkholly Fenny Harishpore Ramganj MRORFIDORE FUITEDANCE GORLUNDO MUINDIGUIET DANCE NAISTINEUDE MRIICKUNIN JOY debpore AKARTOLE Comille Chandbore Ramchandrapore. Nasirnagar Dandkand Kasba Laksham	Saturday, 3rd	S. nday, 4th	Yenday, 5th	March, 6th	Wornesday, 7th Barch.	bursday, 8th	5.0.0 5.0.0 Narch, 9th	Number of	Nor fall of	Total ranifall since 1st of March.	Average total rain- fall from tall of March.	Total rain- fall since 18th May 1887.	Average rainfall from 18th May 1887 to date.
Meteorological Division. East Bengal Furre Dacca Hill ' Tipper North Rendal. Bogra Rajsha Mulda Dinage Rungp Julpige Cooch Darjee	toakholly urreedporo seca 	Gournaddi Bauphal Nonkholly Feinny Harishpore Ramganj Macaripore Furredpore Goalundo Munsaigunge Dacca Naraingunge Manickgunge Joydebpore Agartola Comilla Comilla Comilla Chandhore Brahmunberis Ramchandrapore Nasirnagar Daudkand Kasba							inog	Nd Nd	Nil Nil	Nil Nil Nil	March.	18th May 1887.	May 1887 to date.
North Rendal. North Rendal. Dange Rungp Julpige Cooch	urreedporo acca iii Tipperuh ipperuh	Nonkholly Fenny Harishpore Ramganj Magaripore Furredpore Gorlunde Munisigung Dacca Naraingunge Manickgunge Joydebpore Agartola Comilla Chandpore Brahmunberis Ramchandra pore Nasirnagar Daudkand							0.03	N:I	l Nil	Nil		41:85 53:16	
Meteorological Division. EAST BENGAL Purchase Publication Publica	urreedporo acca iii Tipperuh ipperuh	Nonkholly Fruny Harishpore Ramganj Manaripore Furreedpore Gorlunde Munsaigung Dacca Narainkunge Manickgunge Joydebpore Agartola Comilla Chandhore Brahnunheria Ramchandra- pore Nasirnagar Daudkand							0.03	100	1		25 1	100 101	155.42
North Bengal. Bogra Rajsha Mulda Dinago Lungp Julpige Cooch	seca iii Tipperalı ipperalı	Harishpore							0.52		0.03	0.03	1.11	74:80	112 04
North Rengal. Bogra Rajsha Mulda Dinago Lungp Julpige Cooch	seca iii Tipperalı ipperalı	Magaripore Furredpore Gordunde Munisigunge Dacca Naramannge Manickgunge Joydebpore Agartola Comilla Chandpore Brahmunheria Ramchandra pore Nasirnagar Daudkand							20000	N ₁ 1	N.1	0.25 Nd	1353	75°82 75°87	118 37
NORTH Pubma Bengal. Bogra Mulda Dinago Rungp Julpige Cooch	ill Tipperah ipperah	Munanigunge Dacca Narainkunge Manickgunge Joydebpore Agartola Comilia Chandpore Brahmunberia Ramchandra- pore Nasirnagar Daudkand Kasba				******			0.03	Nil Nil	Nil Nil 0'03	Xil Xil oo:	178 085 056	30°61 30°64	59°13 50 50
NORTH Pubma Bogra Rajsha Mulda Dinago Lungo Cooch Darjee	ppera b	Narainkunge Manickgunge Joydebpore Agartola Comilla Chandpore Brahmunberia Ramchandra- pore. Nasirnagar Dandkand Kasba							0.10	Nil	0.10	Nil 0:10	1:33	37:33 41:71	58°95 74°77
NORTH Pubma Bogra Rajsha Mulda Dinago Cooch Darjee	ppera b	Joydebpore Agartola Comilia Chandpore Ramchandra- pore. Nascrnagar Dandkand Kasha			10000				6712	Nil 1	Na 0.12	Nil 0/12	01.37	47.91	61 70 63 24
NORTH Pubma Bengal. Bogra Rajsha Mulda Dinago Lungp Cooch	ppera b	Comilia Chandpore Brahmonberia Ramchandra- pore Nascruagar Daudkand: Kasba		.1					0.11	1 1	0.11 0.04	0.11	031	36°16 62°04	27 40
NORTH Publin Rengal. Bogra Rajsha Mulda Dinago Lungp Cooch Darjee	ymensingh	Brahmonberis Ramchandra- pore. Nasirnagar Daudkands Kasba							0:20	Nil 1	Nil 0 30	Nil 0:30	0°87 1 05	45°21 50°40	64 69 70 70
NORTH Publin Bengal. Bogra Rajsha Mulda Dinago Lulpige Cooch Darjee	ymensingh	pore. Nasirnagar Daudkandi Kasba							1 30	Nil	1 30 Nd	1:3a N-1	0.82	4:17	62 18 83 58
NORTH Publin Rengal. Bogra Rajsha Mulda Dinago Lungp Cooch Darjee	ymensingh	Dandkand							0.30	1	010	0.10	,	32 21	7
NORTH Publin Bengal. Bogra Rajsha Mulda Dinago Lulpige Cooch Darjee	ymensingh	Lakeham							5 19	Nil	1911 6010	Nit 510	¥	37-47 40-24	į
NORTH Publin Bengal. Bogra Rajsha Mulda Dinago Lulpige Cooch Darjee	ymensingh	none and the	******						0.00	1	60.03	0.00	*	32.30	,
Bengal. Bogra Rajsha Mulda Dimage Rungp Julpige Cooch		Kishoregunge Atm (Tangar), Mymensingn						0.10	0.01	Nil	0.19 Nil 0.01	Nrl 1001	0 66 0 68 0 63	58 96 41 22 69 47	38.9
Bengal. Bogra Rajsha Mulda Dimage Rungp Julpige Cooch		Jaminlinore Netrozona		*****				*****	ird3	Nil	Nit 0.02	Nd oot	0.30	62°85 74°72	75 81 63 94 73 63
Bengal. Bogra Rajsha Mulda Dimage Rungp Julpige Cooch		Subornakhally Durgapore								Nil Nil	Nil Nil	Nil N·1	?	58999	,
Bengal. Bogra Rajsha Mulda Dimage Rungp Julpige Cooch		Dewanganj							2000	Nrl	Nil 0'06	100 0.06	0:48	79 95 89:51	
Rajsha Mulda Dinage Rungp Julpige Cooch	юша .	Sera gunge	1000					******	50°0	1	0.63	0.07	0.18	62746	26,13
Mulda Dinago Rungp Lulpige Cooch	gra	Shorpore				a	2000		0.33	1	0.30	0.30	0:36	48°50 60°02	653
Mulda Dinago Rungp Lulpige Cooch		Bokra Panchbibi				3000			0.16	Nil	Nil	o na Nu	0 31 0 20	68:34	61.01
Dinage Rungp Inlpige Couch Darjee	ijshahye .	Beauleab .							1771 W	Nil	Nil	Nit 0.15	0 :27	49:11	53 93 167 15
Dinage Rungp Julpige Couch Darjee		Nangaon Latpure	*****		******	70000			0.12	Nil Nu	Nil Nil	Nil Nil		62.82 30.68	7
Dinage Rungp Julpige Couch Darjee		Manda							0.15	1	0.13	0.15	*	6281	*
Rungp Julpig Couch Darjee	uldalı	Maldub Chanchal							******	Nil Nil	Nil Nil	N _{tl} N _{tl}	0°21 0°05	49/88 43/54 51/29	50 1.3 58 70
Rungp Julpig Couch Darjee		Sibgunj							27	Nil Nil	Nil Nil	Nil Nil	ř	101 010	÷
Julpige Couch Darjee	пякерого	Mohadebpore Churamon							0.04	Nil	0.01 Nil	8.0	0.10	68.37	58145 53104
Julpige Couch Darjee		Enigunge Dinagepore Baloorghat								Nd Nd	Nil Nil	Nil Nil	0 07 0 31 0 20	75/65 1/1/24 61/75	51 51 63 20
Julpige Couch Darjee	ingpore	Shawanigum e							0.10	1	0.10	0.14	c 15	67'66	62:35
Cooch	ingpore in	(Gyabanda) Rangpore								Nil	Nil	Nil	0.40	2991	75:15
Cooch		Kungram Bagaogia (Nilphamari								Nd Nd	Nil	Nii Nii	0.10	7175	74.79 31.07
Cooch		Ulipore								Nil	Nil	Nil	1	61.43	7
Darjee	lpigoree	Alipire Duar								Nal Nal	Nil Nil	Nat Na	0.41	125:71 140:27	117:12
Darjee		Fallacotta Debiginj								No.	Nil Nil	No. 1 No. 1 No. 1	0:17	147 co 967 ; 102 00	<i>.</i>
Darjee Hili.	och Behar	Dinhatta Cooch Behar Mickingur ve							0.48	Nil	Nit 0 is	Nii Wils	6'73 e'11	122 64 123 04	95°23 115°87 106°93
Darjee Hill.		Hamborga								Nil	Nil	Ni!	0.10	317:15	117.50
1	rjeeling Lill.	Buza Sdinguri Darjeeting Kaimpong				 				Nil Nil Nil	Nil Nil Nil	Nil Nil Nil Nil	0.38 6.65 0.64 0.24	169:75 108:01 1 -5 74 81 77	193749 102 55 114 63 86 96
ORTH Renta Pusas	.enash	Кивенкинка.								Nil	Nil	54	w·9	815)	70 LE
ALL DELIAN P UTIL	irmenn	Arrarean .								No.	Nil Nil	201	0711	60'02	61:14
.		Gondwara Balar impore								NII	NI I	Net	•	96:21 81:33	ļ
1000 22	70 000 III	Maitari Kaliapouj Madaspore								Sil	Xil I	N:1	6.11	59 20	t0.60
pore,	016.	Boopool						****		NI Ni	No.	NII NI	6.17	54/30 66/50	45 23
Durbh	rbhungs .	Твјроге								Nil	Xi!	No. 1	0.11	44 70 50 87	43.83
		Duronuoga Madinuoga						:		N.I. Nil. I Nil. I	NA NA	83	6.05	82.44 82.44	45 11
16		Kahera							••••	24	vil.	Nit	3	401.3	*
Moruf	sufferpore	Mozuflerpure						##***		Nil 1	No.	No.	0.19	60°34 43'90 37'83	46:34
Y.		Happore						3,000 3,000		Nn Nn I	Nil Nil	Nil Nil	; ;	41.63	42.90
		Manus Sintar	::::							N#	Nil Nil	Nil	1	1	
13		Motihari	anni.		,					Nil Nil	Nil Nil	Nil Nil	0.54	59:80	44'34
		Breish Bagana Barkerse			one one one					Nii Nii	Nil Nil	Nil	0.55	59782 59744 86759	60.08

Statement of Rainfall in Bengal for the week ending Friday (6 p.m.), the 9th of March 1888.—concld.

			1			R	AINFALL				Тот	LL.				
Meteorological Division.	District.	Station.		Saturday, 3rd March.	Sunday, 4th Xarch.	Monday, 5th March.	Tuesday, 6th March.	Wednesday, 7th March.	Thursday, 8th March.	Friday, 9th	Number of	Rainfall of	Total rain- fall since lst of March.	Average total rain- fall from 1st of March.	Total fain- fall since 15th May 1587.	Average rain!a from 15 May to date
SORTH PERAB	Sarun	Gopalgunge .	1						I		Nil	Nil	Nil	0.01	42°58 39°74	44
-nor cluded.	~	Sewali	.,.		***		***				Nil	Nil Nil	lid Nil	0°08 0°17	88.42	44 91
Dan	Shahabad		***								Nil	Nil	Nil	0.11	84.73	38
OUTH BEHAR	GIIMINGO							*****			Nil	Nil	Nil	0.41	39.63 41.88	41
											Nil I	Nil	Nil Vil	0.14	36 44	41
		A									NII	Mil	Nil	0.13	41'34	40
	1	Makania		******							No.	Nil	Nil -	•	,	
4		U.S. COMMAND AND A COM			200,430		10.0	-	- 1		Nil	Nil	Nil	0.17	29.96	4
	Gya	Aurungabad					******				Nil	Ail	Nil	0.12	43.78	4
		N. madak						*****			Nil	Nil	Nil Nil	0.14	34'54 40'77	4
											Nil Nil	Nil	Nil	V 1-	41.13	
			:::				******				Nil	Nil	Nil	?	23.01	
	Į.				*****						Nil	Nil	Nil Nil	',	36 45	
		Rajanii									Nil	Nil Nil	Nil	,	22.24	
	(Pakri Karaw	1011					******			35767		27:09	5) () n_page/	(BE)(5076)	
	Patns	Patna									Nil	Nil Nil	Nil Nil	0.09	37 17 88'41	4
F.1		Dinapor-									Nil Nil	Nil	Nil	0.13	85 51	
		Behar									Nil	Nil	Nil	0 14	86.00	
		1									Nil	oil	Nit		40'65	
	1	1111				******	******	******	·		Nil	Nil	Nil	,	24.24	
	Monghyr	0		1000							Nil	Nil	Nil	0.08	49.68	- 1
	mongnyi	Begovera: Mongny:									Nil	Nil	Nil	0.12	47.24	- 0
	i i	1 1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2									Nii	Nil Nil	Nil	0.10	40°02 42°63	
121	1			•••••				*****			Nil Nil	Nil	Nil	•	28.22	
	South Bhagul-	Sheikpura		******							Nil	Nil	Nil	0.11	41.23	
	pore	Bunks								*****	Nd	Nil	Nil Nil	0.17	39°96 43°46	
	,	Koluung		*****		******					Nil		1			
	Sonthal Per-	Rajmeusi								*****	Nil	Nil	Nil	0.10	57°98 49°56	1
	guunahs				•••••					0.14	Nil	Nil	N11	0.13	78.45	
		Nya Doomas									Nil	Nil	Nit	0.54	45 71	10
	.5:	11									Nil	Nil	Nil	0.72	47:86	
		Jamuere		*****	••••					,,,,,,	Nil	Nii	Nil	0.32	40.02	
	1			******			******				Nil	Nil	Nil	•	36.79	
		19							()		31.570	Nil	Nil	0.33	42.00	
TIA NAG.	Hazaribagh	(Giridi).	"	******	*****						Nil	0.01	0.01	0.55	47'32	
	1	Hazarioagu							0.01		Nil	Nit	Nil	0.73	41.10	
		Semuguran wanud: Hil				*****					Nil	Nil		0 52	*****	
		Jhoomrah II								******	Nil	Nil Nil	Nil Nil	0.25	89.70	1/
		Barks									Nil Nil	Nil	Nil	į	49'97	
		Laragdeha									Nil	Nil	Nil	!	7546	
	1	Kamghar								******	Nil	Nii	Nil	,	51.24	
	Lohardugga	Lonardukka			11				0.04		1	00.4	0.04		57-20	
		Banchi			******						Nil	Nil	Nil	0.19	88.88	
		Bills				******		******			Nil Nil	Nil Nil	Nil	Y Y	50'71	100
	l	Bolumas									Nil	Nil	Nil	!	9	
		Hossetnabad	i								Nil	Nil	Nit	;	85°21 54°85	
		Gurwak			******	******				••••	Nil	Mil	Nil	,	0.00	
	Singbhoom	Спуниван									Nil	Nil	Nil	0.47	53.03	
		Chakradhar								******	Nil	Nil	Nil	1	41.55	
	1	ghatellia	-				200000		Same		Nil	Nil	Nil		55 79	
	1	Boharagura		******							Nil	Nil	Nil	ì	41.12	
	Manbhoom				1510753	100000	(1002)	100		12.1	0.000	Nil	Nil	0.42	46.83	В
	######################################	Purulu						*****			Nil Nil	Nil	Nir	0 19	59.43	ĭ
		Goomdpore Kayhunuth-									Nil	Nil	Nil	1	38'64	
		pure.	- 1			1		18.7			N		W:1	,	43:31	
	1	Barrabhoum	١	••••							Nil Nil	Nil Nil	Nil Nil	•		
		Jhalda	***						******				Nil	,	1 1	11115

Explanation. - Indicates that no rain has taken. If the return for any day has not been received, the corresponding space is left blank. If any of the return are wanting, the corresponding spaces in the total rainfall columns are laft blank.

CALCUTTA, the 13th March 1888.

SUMMARY OF THE RAINFALL AND METEOROLOGICAL OBSERVATIONS TAKEN IN BENGAL FOR THE WEEK ENDING FRIDAY, THE 9TH MARCH 1888.

At the beginning of the present week conditions were those which generally accompany the commencement of the hot season in Bengal. Westerly winds prevailed over a large part of the province, temperature and pressure were high, while humidity was low; skies were clear and rainfall was entirely absent. Wind directions gradually became more southerly at the southern stations during the earlier part of the week, bringing up moderate amounts of moisture; but still the general conditions remained unaltered up till the 7th, when a slight but distinct low pressure area was formed over West Bengal. On the 8th the feeble barometric depression was well marked over Bengal, and in the wind directions of Northern India, a general indraught was noticed towards the depression, while on the 9th there was a distinct tendency to a cyclonic circulation of winds over Bengal. The formation of this depression caused weather over South-West, East and North Bengal, and Orissa to become disturbed, and on the 9th, or in some cases on the last two days of the week, local showers became numerous, the showers being heaviest in South-West Bengal. With the exception therefore of the last two days of the week, when the slight disturbance commenced, the weather in Bengal has been of ordinary hot season character, and calls for no particular remark.

Pressure.—The variatious of pressure during the earlier part of the week were very small; for the first two days a rise of two or three hundredths of an inch took place, which was followed by a slight fall on the 5th of almost equal amount. A feeble increase then took place on the 6th, and in some places on the 7th as well; but on the 8th a rapid fall of the barometer took place attending the development of the depression, which amounted at some stations to about a tenth of an inch. A further fall of about a twentieth of an inch also took place on the 9th, thus slightly intensifying the feeble depression. For the whole week, taking into consideration only those stations which have recorded observations for a series of years, and which therefore yield reliable averages, the mean pressure of the province is only 0.005 inch above the normal.

Temperature—Has on the whole steadily risen throughout the week, and some decidedly high temperatures were recorded towards its close. The average mean temperature of the whole province for the week ending 2nd March was 72.9°, while the average mean temperature for the whole of Bengal for the present week has been 76.1°; there has therefore been an increase in the mean temperature equal to 3.2° during the week; the mean temperature of the province for this period has, however, been 1.2° in excess of the normal, but the excess is to a great extent confined to Cautia Nagpur, North Bengal and Behar, where in the last-named district the excess varies from 2° to 3°.

The actual temperatures recorded, and their variation from the normal, are best seen from the figures given in the table below, where the average maximum, minimum and mean temperatures for the week at nine typical stations in different districts of the province are compared with the normal values for the same period. The day or maximum temperatures at these stations show an excess of no less than 2.9°, while the minimum or night temperatures show an excess of only 0.9°.

Table showing the excess or defect of the actual mean temperature from the normal for the week ending the 9th March 1888.

		•	Normal mean maxi- mum fem- perature for the week ending 9th March.	nerature	Variation of actual mean from the nor- mat.	Normal mean mini- mum tem- perature for the week ending 9th March.	mum rem-	Variation of actual mean from the nor- mat.	Normal mean daily tempera- ture for the week ending ith March.	Actual mean daily tempera- ture for the week endow to March, 1888.	Variation of netwart mean from the more mat.
Outtack		1057029	94.6	83.5	÷1'7	69*4	68.4	-1:0	820	821	4-11-1
Calcutta			87.7	50.1	127	67.1	64.1	-30	1 77.1	77:3	0.1
Dacon			87.8	91.9	+41	65.1	61.4	-0.7	7015	78.7	117
Burdwan		***	50.9	93.3	+2'4	65.5	62.7	25	781	780	-0.1
Patna	•••		87.2	90 6	4.32	68.7	69.8	121	7:00	750	4:26
Gya			89.0	91.8	4.2.8	621	61.6	4 2.5	75'6	7513	+2.0
Purneah			8715	59*9	+5.1	67.6	5976	12.6	7.57	71'8	12.2
Hazaribagh			84.3	86.0	+2%	5016	C3'6	+ 1.0	72'0	75'3	+373
Darjeeling			55.8	5910	+ 1.1	41 4	451	4 4.0	48 6	52.7	+ 1.1

Rainfull—Was confined to the last day or two of the week, and then usually accompanied local storms. The average rainfall has, however, been small, and in South-West and East Bengal, where the largest amounts fell, it has only equalled 0.20 inch. In Orissa and North Bengal the falls have only equalled 0.07 inch. Elsewhere rainfall has been practically absent.

The following table gives the summary of the temperature and rainfall data of each of the seven meteorological divisions of the province for the week ending Friday, the 3th of Marchel 888:—

			I (MPR	KATU	E.	_ =				:	AINFA	Li				
uth-West Bengal at Rocksi	r week.	week.	4 vers	res tor	week.	week.	U	[wee	. .	Kn	in an	yn.	Since I		Since May	
	Highest observed during	Lowest observed during	Of highest of each day.	of lowest of each day.	Of mean for each day.	A seem to their a solet.	A trage.	Normal average.	Variation.	greenee number in	Normal avorage num- ber in week.	Variation.	.verakt.	Normal average.	Are: ake.	Norma arerage.
)rissa	97'9	60.6	89.4	6. 8	78'6	-0.4	0.02	0.50	-0.55	0.5	0.7	-0.2	0.07	073	48.45	55.4
Routh-West Bengal	97:3	518	91.6	648	78'2	+0.2	0.50	0.32	-0.12	0.2	0.8	-0.1	0.50	0.21	49 07	53.7
Bast hourai	93.1	22.0	88.0	62 5	75.7	-01	0.50	0.22	-0.37	0.8	0.0	-0.1	0.50	0.83	38.14	77.4
forth Bengal	95:3	53.0	99.4	60.0	75'2	+19	0.02	0.52	-6.50	0.4	0.0	-0.5	0.02	0'15	74:32	71.0
iorth Beha	93.7	53 2	85'8	60°2	74 5	+2.2	Nil	0.12	- 0.12	0.0	0.2	-0.2	Nil	0.12	52 57	49"
outh Kehar	95.6	56.0	51.1	62.0	76'0	+ 2.3	0.01	0.14	- 0.13	0.1	0.4	0.3	0.01	0.53	42.78	44"
nutia Nagour	89 74	55 9*	86.04	62.2*	74 1	+ 1'5°	Nil	0.58	-0.58	0.0	0.6	-0.8	Nil	0.38	46.23	50

METEOROLOGICAL OFFICE, BENGAL; The 13th March 1888

A. Pedlek.
Offg. Meteorological Reporter to the Gort of Bonoal.

Results of the Thermometrical Observations taken at the Meteorological Office, Chowringhee, from 4th to 10th March 1888.

· Chyabassa not included,

					TEMPER	ATUPE.			Ну	ROMETRI.		
PAOP		Date.		Mean.	Max.m im.	Ganze.	Minimum,	Mean wet bulb.	Vapour tension.	Dew point.	Hamidity.	Rain.
1888.					c	¢	•	0	Inches.	•	%	Inches
March		4:h 5th 6th 7th 8th 9th 10th		76-1 77-4 79-3 79-8 78-8 76-2 76-5	93-2 93-1 94-6 93-5 91-5 88-3 91-5	31 1 29 7 29 9 26 1 22 5 22 4 27 0	62 1 63 7 64 7 67 4 69 0 65 9 64 5	68 4 68 6 68 7 70 4 71 4 69 3 72 7	592 -582 -558 -618 -670 -625 -753	63·7 61·8 62·0 65·0 67·3 65·3 70·7	65 62 57 60 68 69 83	Nil .; .; 0.10
	The ex	trem	e vai		f temper	ven days		 		·	77·7 32·5 94·6	
				ive humi		 o 10th M s	1 700		•••	•••	% 66 Inches 0 61	

The mean temperature and humidity are obtained by applying to the mean of the 10h, 16h, and minimum readings a correction dependent on the range, and derived from the hourly observations at the Surveyor-General's Office, Chowringhee, in past years.

METEOROLOGICAL OFFICE, INDIA;

JOHN ELIOT,

The 12th March 1888.

Off g. Meteorological Reporter to the Govt. of India.

Results of the Meteorological Observations taken at the Alipore Observatory from 4th to 10th March 1888.

			£ g	meter	7	EMPER.	ATURE.		H	YGROME	TRY.		Wind.			
Month.	Date.	Maximum in sum.	Number of hours bright sunshine.	Mean pressure barometer at 32° Fihr.	Mean.	Maximum.	Range.	Minimum.	Mean wet bulb.	Vapour tension.	Due point.	Humidity.	Prevailing direction.	Miles recorded.	Rain.	Weather.
1888.	1	o		Inches	0	o	0	0	0	Inches	0	1%			Inches	
M:ır.	4th	146.2	10.8	29 933	75.0	90.8	29 2	61.6	66.1	0.527	60-4	65	SW and W	61	Nil	Clear,
11	5th	145 9	10.5	906	76.1	91.6	29:3	62-3	66:3	-517	598	63	NW and variable	51	. "	Clear,
	6th	147.8	10.8	922	76.9	91.5	28.4	63.1	67:1	535	60.8	62	SW and SSW	. 82	,,	Chiefly close
,,	7th	145 5	10.5	·914	77:7	91.4	24:1	67:3	69.0	·594	63.8	66	SW by S and SSW	120	,,	Chiefly clear
;;	8th	141.9	6.9	·855	78:5	89.5	20.2	69 3	69-5	606	64 4	65	SW and WSW	. 101	,,	Chiefly cloudy,
	Sth	143.0	9.3	842	73.6	85:5	20.0	65-5	66.8	•568	62.6	70	SW and variable	108	0.96	Chieffy cloudy
,	10th	145:5	8:6	-813	77:8	89-1	25.7	63-4	70.9	.664	67:0	70	SW and SE by S	131	Nil	Chicily cloudy

				Inches.
The mean pressure of the seven days	•••		****	29.884
The average pressure of the corresponding period for	24 years, S.	G.'s Office		29.842
,	13 5 5 AB			Hours.
The total number of hours of bright sunshine		•••	•	67.4
The maximum possible number of hours of sunshine	***		•••	82.5
				0
The mean temperature of the seven days	***	***		76.5
The average temperature of the corresponding period	for 24 years,	S. G.'s O.	ffice	78.1
The extreme variation of temperature			***	30 0
The maximum temperature			•••	91.6
				Miles.
The highest velocity of the wind in one hour			•••	13
2.00	5(5.5)	957	3755	ths.
The highest pressure of wind on one square foot		,	•••	9
	5 2.53	5.50%.		%
The mean relative humidity	18/0/05	2058		66
The average relative humidity of the corresponding pe	eriod for 24 vo	ears. S. G.		69
				Inches.
The total fall of rain from 4th to 10th March 1888				0.96
The average full of the corresponding period for 24 ye	S G 'a O	ffice	•••	0.46
	ears, b. C. s C	ince	•••	-83 (70.00)
The total fall from 1st January to 10th March 1888				3.48
The average fall of the corresponding period for 24 ye	ears, S. G.'s (Jilice	***	2.24

The mean pressure, temperature, &c., are deduced from the traces of the Barograph and Thermograph, and from observations made at 6h. 10h. 16h. and 22h.

The maximum and minimum temperatures are obtained from self-registering thermometers. All the thermometers are verified, and the readings have been corrected to a standard constructed, and verified at the Kew Observatory. They are exposed under a thatched shed open at the sides, and are suspended four feet above the ground.

The barometer readings are corrected approximately to those of the standard Newman's No. 86, formerly at the Surveyor-General's Office.

The hygrometric elements are obtained from Tables III, IV, and V of the official tables computed in the Meteorological Office, and based on Regnault's modifications of August's formula.

The directions and the movement of the wind are taken from the trace of a Beckley's anemograph.

The month of the rain-gauge is one foot above the ground.

o overcast, g gloomy, d drizzling rain, p passing temporary showers, lr lightening reflection, K thunderstorm, A hail, 5 fog, A dew.

JOHN ELIOT,

Offg. Meteorological Reporter to the Govt. of India.

MEMORANDUM.

Duinng the week ending 25th February 1888, births and deaths were registered in the principal Municipalities in Bengal at the rates, respectively, of 21.3 and 23.4 per 1,000 of population, as opposed to very nearly the same proportions, viz. 21 and 23.2 per 1,000, respectively, during the preceding week ending 18th February.

2. The following Municipalities returned the highest proportions of births and

deaths :-

		Birt	hs.				Deuth	5.		
			3.5 4.5 1		Ratio per					ntin per
Comillah		***	•••	900	88.5	Comillalı	•••	•••		46.2
Utterpara		***	•••	***	47 2	Suburbs of Cal	cutta			42.0
Benu'cah		•••	•••	•••	39.4	Serampore		•••		37 3
Serampore		•••		5.00	37:3	Narainganj	•••	•••	***	37:3
Narainganj	20	•••			37.3	Gyn			•••	348
Durbhanga				•••	34.6	Purneah	•••	•••		34.6
Gya .		•••			33.8					

3. In comparison with the results of the preceding week, there was a sensible reduction in the death-rate from bowel-complaints, no variation in fatality from fever, the fatal results from the other diseases exhibiting only fractional increases; vide subjoined table:—

Ratio	per	mille	during	the	weeks	ending-	
SUMMON STATE							

						25	th Fel. 1888.	18th Feb. 1888.
Cholera	•••	•••	•••	•••	•••	•••	3.4	2.7
Small-pox	•••	•••	•••		•••		.03	•••
Fever	•••	•••	***	***	***	•••	9.1	9.1
Bowel-complaints	•••	•••	•••	•••	•••	•••	2.8	4.3
Injury	•••	•••	•••	•••	•••	•••	.6	-2
Other causes	•••	•••	•••	***	***	•••	7.5	6.9

4. Eliminating fever and bowel-complaints, which proved notably fatal, the former only in the Purneah town, viz., at the rate of 34.6 per 1,000 of population, and the latter in the Serampore Municipality, viz. at 11.8 per 1,000, and small-pox and injury, which did not exhibit any local exacerbation in fatality, cholera and the maladies returned under the head of "Other causes" manifested exceptional mortality in the following Municipalities:—

Cholera. Other causes.

			Ratio per mille.				Ratio per
Suburbs of Calcutta		***	11.6	Comillah		•••	34.6
Chittagong	31.5	***	9.4	Gya	•••	***	17.8
Howrah	•••	•••	6.8	Narainganj		•••	16.6
				Serampore	•••	•••	13.7
			1	Mozufferpore	667		12.2
			l l	Suburbs of Calcutta	•••	•••	10.2
			- 1	Bhagulpere			10.0

5. The casualties in relation to Sex, Class and Age, were returned at the rates indicated below: -

According to Sea	τ.	According	to Clas	88.		Ac	cordi	ng to	Age	: .
Males	Ratio per mille. 26:3 . 20:0	Christians Hindus Mahomedans Other classes	R	atio per mille. 30·4 24·5 20·4 36·4	5 10 15 20 30 40 50	l yel und	ear 10 15 20 80 40 50	years "" "" "" "" "" "" "" "" "" "" "" "" ""		Ratio per mille. 176.6 25.1 11.5 11.3 15.2 15.9 17.5 16.6 26.2
					60 yes	rs ar	id up	wards	• • • • • • • • • • • • • • • • • • • •	64.0

R. Lidderdale, M.D., Deputy Surgeon-General, Sanitary Commissioner for Bengal.

The 10th March 1888.

-		Name of Suppose	Ratio of male dentus to avery for female deaths.		57	-	•	No male des		150	160	000	No female deaths.	88	100	No female deaths	107	50	809	03	166	163	125	140	181	168	320	ne,	60	89	671
	Ber.	LOUD OF FORTLA-	Pennalos.	-			-	31.1	1	6.11	38.6	3.1	;				: 5	-	1.5	*	•	1.17	51	13.5	17.7	1.0	1.6	14.2	S S	9.00	203
		21.00 E	Malos,			27.1	\$	1	2.03	19.5	7.7	53.55	15.6	9		2 0	15.2	20.5	3.15	51 0	17.2	45.5	÷.	12.	30.8	<u>.</u>	1.82	16.6	43.0	8.11	26.3
		Беатив.	Реправи.	l.	_	=			*	51 	1.8	-	3			•	: =			•	22	13	•	10	7	60	ıa	90	69	10	238
	_	α 	Males.			8	= -	: -:-	2	· 8	125	9			•				on .		33	33	10	1-	6	12	16		7	•	8:6
,		f or mount	req solineb to ortest united deliblique abov suorverq ext	3.00	13.9	65.55	1.62	6.81	30.3	5.75	\$2.*	1.10	: '	0 2	2 6	26.1	12.3	2.03	1	0.16	15.3	7.25	16.1		01	, ,	8.10	66	7.10	â,	33
16 TO			Bauso IIA	18.6	12.1	?! ***	37.3	‡	?! 61	17.3	0.04	67 6	2	14:0	18.3	13.0	15.8	37.3	7.77	1 3.14	13.0	* 48		• • •	**		2.61	15.4	2 2	1	4 8 6
ACCORDIN		ION PER	Other diseases.	:	۳ •		13.1	:	 91	3.2	10.2	2			10	:	7.8	16 6	2.5	34.0	7.5	7.	4	uso a							10
Acco		PULAT	-Sanjary -	12	ŀ		- 	i	9.	:	21	,			:		'n			3.	;?	-	21		!	Ē					·-
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	ļ	1.00 10.00	Tolal.	8.21	6.51	?"	50 1	?	10.4	6.50	7.6	i	2.5	i	F.65		16.0	20.00		17.8	¥.02	6.03	71	7.	5.00	71	18.0	. 1.0.	6.3	8.12	
		BALIO PRR 1,406 OF POPULATION PR: ANNUM.	Pomules.	9.#	8.01 10.00	1.21	9 9	6.6	2 60	91	6.1	:	3	:	13.1	:	S 9	1	£7.3	5	1.	9.6	 	15.1	6.1	10.5	0.6	1000	?*	10.3	
	BIRTE	RALI OF PO FR::	Males.	16.7	3.1	15.1	13.7	0.01	2 0 2	13.0	1.0	;	2.5	:	56.3	2.9	0.11		?! <u>E</u>	1.8	0.53	14.3	2	16.2	6.8	10.0	0.5	6.5	 	11.0	1
	-	1	Total.	10	G.	2	61	9		195	10	ij	•	:	15	1	¢1	, t	60	29	13	06	ż	,	y	21	17	ø	ຄ	5115	at the
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-	· i	, i	lotal.	34,050	33,560	38,715	26,496	0.00	14 918	251 480	27.477	6,483	289,63	8,495	19,791	7,976	191'05	196,21	13,506	160,937	76,121	43,465	42,742	66,095	53.2 \$9	57.453	57,520	36.036	181.181	1,32.,55,	y was re
ì	POPULATION.		Permalon.	16,017	16,633	19,619	12,837	87 68.0	020	104.234	14.214	4.635	6,879	3,655	9,025	2,947	4 050	8.790	6,853	81.475	87,531	22,505	19,658	32.325	97.205	27.818			11,637	619,6591	neibali
	POP		.Kales.	-			800.0	-	-				13.708	4.830	10,766		7 605	13.340	8,153		38,230	20,960	23,081	38,774	110'93	20.640 2	-		18,247	702,890 611	rjiling Mu
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	ALC:	art.	······································	7	1	7	7		7	7		-		:	:	: `	7	-:	- :	-	;	-	-:	-	:	-	:		:		cial census o
		A STATE		i 1		:	-	, a	1	Sunnahe		indden		euo	ajebabye	m Salita	:	Phittageong	" deraqq	Patna	ŧ	Shababad	Mornsterpore	Durbhanga	acras	Bhagulpore	Honghyr	Partech	3		A special

PUBLIC WORKS DEPARTMENT, IRRIGATION BRANCH, BENGAL.

Statements showing quantities of Goods carried during the month of December 1887.

ORISSA CIRCLE.

TALDUNDAH CANAL SYSTEM.

Length of Canal open ${{
m Taloundaii}\ {
m Canal}\ 27\ {
m miles}.} \atop {{
m Machgong}\ ,\ 4\ ,}$

			TOTAL GOVERNMENT	r and Private.		PRIV	ATR.	
Number of bouts or rafts.	DESCRIPTION.		Quantity-Tons.		Value.	Quantity.	Value.	NE A
or tures.		Up.	Down.	Total,	Rupees.	. Tons.	Rupees,	BEMARES
11	1. Grain		124	124	2,600	124	2,600	
•••	2. Cotton				·		•••••	
•••••	3. Oilseeds	*****	!					
	4. Salt 5. Piece-goods					•••	•••••	
	6. Metal				•••••		•••••	
120	7. Building materials		1,662	1,662	2,165	527	765	
2	8. Miscellaneous 9. Fuel	******	2		140	2	140	
	10. Timber	******					******	
9 rafts	11. Bamboos		8,600 No.	8,600 No.	127	8,600 No.	127	
133 &			1,788 &	1,788 &		652 &		,
9 rafts	12. Total	{	8,600 No.	8,600 No.	} b,032 {	653 & 8,600 No.	3,632	
••••	13. Total of same month last year							
		Up.	Down,	Total.	1		Rs.	. P
	number of boats ply- g cargo No.	·	133	133	 Total tollage 24 + 25 +			
5. Total ply	number of boats ving passenger No.	18	2	20	Total tollag			
δ½. Tota bos	I number of empty ats No.	129	17	146	month last			ğ
6. Total car	registered tonnage, Tons.		3,133	3,133				
	registered tonnage, senger Tons	446		446	Mem	orandum of	Tollage.	
3. Ton-n	nileage	1.338	53,261	54,599				
. Estim	ated value of cargo Rs.		4,905	4,905	1. Balance n	of management	Rs. A.	P.
. Numb	per of passengers	813	4	817		1st of th		3
. Rafts,	bamboos Nc.	•••••	8,600	8,600	2. Tollage per	month	000	6
B. Do.,	bullahs "	•••••			**************************************		-	
'	ated value of rafts		127	127				
	e on boats Rs.	191-6-6	603 - 10-0	795-0-6	3.	Total	. 852 13	9
Compo	ta Rs.	*****			4 A	arad:t-3 '		
Tolleg	eon rafts "		5-1-0	5-1-0		ounts of th	e 257 15	"
	folloge on boats per			2.80 pies	mouth		. 107 13	Ú
SCOR.			As	2 ou pies			1	

KENDRAPARA CANAL SYSTEM.

LENGTH OF CANAL OPEN, 75 MILES.

			TOTAL NOT BRANCE	ENT AND PRIVATE.		Pur	AIK.	
Namoer of boats or rafts.	DESCRIPTION.		Quantity-Tons.	tel tree Company (and	Value.	Quantity.	Value.	RK8.
		Up.	Down.	Total.	Rupews,	Tons.	Rupees.	REMARKS.
127	1. Grain	419	519	938	58,130	933	58,130	Ī
2	2. Cotton		13	13	3,500	13	3,500	
$\frac{2}{12}$	3. Oilseeds	11	33 83	33 44	3,700 3,660	33 44	3,700	
•••••	5. Piece-goods						3,660	
	6. Metal	~			0.100			1
71 190	7. Building materials 8. Miscellaneous	716 593	204 644	920 1,287	9,130 2,16,000	204 1,161	6,700 2,15,900	
6	9. Fuel	46	4	50	180	46	130	
3 rafts 5 ,,	10. Timber 11. Bamboos	••••	2,132 No. 14,250 No.	2,132 No. 14,250 No.	4,900 310	2,132 No. 14,250 No.	4,900 310	
410 &	12. Total	1,785	Γ 1.450 &	3.235 & 7	2,99,510 }	2,439 &	2,96,930	
8 rafts	NAME - 00 1 9494 - 1948		16,382 No	16,382 No. 5		16,382 No.	2,00,000	
136 & 7 rafts	13. Total of same month last year	723	446	1,169	4,68,720	1,073	1	
7 14115	month last year	226 &c.ft.	6 &c.ft	232 c.ft.	1,00,720	\$ 232 &e ft.	4,68,320	
		Up.	Down.	Total.	l company		D	-
3					Total tolla	ge of montl	n- Rs.	· A. 1
. Total	number of boats ply-			ATMOSE NO.	21+25+;	26	4,763	3 1
	cargo No.	189	221	410		½ .		
Total :	mumber of bouts also				Total tollag	o of same mo		
	number of boats ply- g passenger No	61	62	123	last year		1,363	3 2
	l number of empty		l					-
bos	ats No.	211	183	394	Me	morandum of	Tollage.	
	registered tonnage,	200-	0.5.0				-,	
car	rgo Tons.	2,097	3.513	5,610			Re	. A. 1
	registered tonnage,	5.0 (857) (8.0		Water NA				
pa	ssenger Tons.	1,325	1,240	2,565	1. Balance	not recove	red	
8. Ton-n	nileage	1,02,784	1,33,926	2,36,710	on t	he 1st of		10
9. Estim	ated value of cargo Rs.	1,52,380	1,11,920	2,94,300		3	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	. 10
0. Numb	per of passengers	1,785	1,940	3,725				
1. Rafts	, bamboos No.	91	14,250	14,250	2. Tollage I	per month	4,763	3 1
2. Do.,	timber "		2,132	2,132		27,5		
3 Estim	ated value of rafts		5,210	5,210	3.	Total	11,577	14
Tollag	ge on boats Rs.	2,174-12-9	2,458-1-3	4,63:-14-0				
	11 (11			,				true s
bos		,,,,,			4 Amount			P y a
7.8					accounts of	credited in t	the state of the s	۸ ۱
6. Tollac	ge on rafts		130-5-11	190 5 13		- TO MOUTIN	2,793	9 1
	ge ou raits ,,	•••••	100-0-11	130-5-11	14	4		
7. Total	tollage on boats per							
tor	1-mile		· !	0-0-3-8	5 Roless	.	The said	14
		MARGAN N		V V • O O	of the	due at the e		10
3. Total	tollage on rafts per			1		74.41	8.784	4
10	0 oubic feet	,,,,,,,		0-12-9		10.00		
			100	, ,	(1) 600 医性点	51.40	13.44	

HIGH LEVEL CANAL, RANGE I.

LENGTH OF CANAL OPEN, 33 MILES.

			Total Governmen	TAND PRIVATE.		PRIV	TE.	
Number of heats or rafts.	DESCRIPTION.		Quantity-Tons		Value,	Quantity.	Value.	M.
		Up.	Down.	Total.	Rupees.	Tons.	Rupees.	REWARES.
67	I. Grain	291		291	19,500	291	19,500	,
	2. Cotton					******		
6	3. Oilseeds	8	139	120	590	. 8	590	
34	4. Salt 5. Piece-goods		698.7-0	139	11,640	139	11,640	
	6. Metal							
8	7. Building materials	13	29	42	560	42	560	
71	8. Miscellaneous	68	108	176	21,570	176	21,570	
30	9. Fuel	3.7		317 3,426 No.	7,500	3.7	880	
l rafts	10. Timber	3,426 No.	1,200 No.	1,200 ,,	20	3,426 No. 1,200 ,,	7,500 20	
216		697	276	973	1	1 973	1	-
&	12. Total	1 &	ď	&	62,260	3.	62,260	1
12 rafts		1 3,426 No.	1,200 No.	4,626 No.)	(4,626 No.) 	
60	13. Total of same month last year	136	148	284	9,386	148	9,280	
		Up.	Down.	Total.			Re	. А.
		<u> </u>					100	. д.
Total	number of boats plying	1			Total tolla	ge of month		
	rgo No.	148	68	216	24 + 25		878	5 4
	number of boats ply-							
	g passenger No.	5	4	9		e of same mon	th	
51. Tota	l number of empty boats No.	59	141	200	last year		118	12
	registered tonnage,	1.150	470	1 001				
cai	rgo Tons.	1,159	472	1,631	36	morandum of	Tallago	
7. Total	registered tonnage,				ш	moranaam oj	1 ouage.	
	ssenger Tons	18	17	35				(4)
B. Ton-r	nileage	21,563	7,445	29,008			Re	. A.
9. Estim	ated value of cargo Rs.	23,700	26,040	54,740		not recover		***
0. Numi	per of passengers	10	19	29	on the	ne 1st of the	213	18
1. Rafts	, bamboos No.		1,200	1,200				
2. Do	timbers ,	3,426		3,426	2. Tollage	per month	875	4
2000	ишоска 31			0,100				-
3. Estin	nated value of rafts	7,500	20	7,520	3.	Total .	1,089	1 9
4. Tolles	ge on boats Rs.	364-6-6	195-11-9	560-2-3	1 1	credited		
5. Comp	ounded tollage on				4. Amount the a	counts of t	in he	
poi				····•	montl		565	8
8. Tolla	ge on rafts "	313-15-9	1-2-0	315-1-9			1	1.12
7. Total	tullage on boats per						45	
to	-mile		•••••	0-0-4				
9.	tollage on ratis per				5. Relence	due at the e	nd	
277 TOWN TOWN	and and tests bet	State Office I		6-12-11			528	8
· · · 10	9 ephic feet	A			V4 144			

HIGH LEVEL CANAL, RANGE II.

LENGTH OF CANAL OPEN, 121 MILES.

			TOTAL GOVERNMEN	T AND PEIVATE.		PRI	VATE,	
Number of boats or rafts.	DESCRIPTION.		Quantity - Tons.		Value.	Quantity.	Value.	
	<u> </u>	Up.	Down.	Total.	Rирнея.	Tons.	Rupees.	REMARKS.
	1 Ci	1191	2	1214	6,312	1211	6,312	
38	1. Grain 2. Cotton	2		2	650	2	650	
5	3. Oilseeds 4. Salt		17½ 22⅓	17 ± 22 ±	1,254 3,195	17½ 22¼	1,254 3,195	
21	5. Piece-goods	, j	311	. 32	9,380	32	9,380	
12	6. Metal 7. Building materials		1091	1091	48		•••••	
11	8. Miscellaneous	1	41	42	4,407	34	3,907	
8 rafts	9. Fuel 10. Timber		448 No.	448 No.	1,344	448 No.	1,344	
11 ,,	11. Bamboos		9,004 "	9,004 ,,	270	9,004 ,,	270	
92 &		123	224 &	347 &	26,860	{ 229\frac{1}{4}	06 210	
19 rafts	12. Total	123	9,452 No.	9,452 No.	30,000	9,452 No.	26,312	
165	13. Total of same month last year	1,160	536	1,696	12,720	223	10,000	
 		Up.	Down.	Total.	 	<u>' </u>	i i	==
413 m . 1			i i				Rs.	▲ P
	number of boats ply- cargo No.	39	53	92				
9.7		/		1. 1.	Total tollag	ge of month		42400 0
	number of boats ply- passenger No.	3	4	7	24 + 25 + 2	26	170	10 8
	number of empty							
boa		28	47	75	Total tollas	ge of sar		
is Total	registered tonnage,				month last	year	295	11 9
car		246	448	694				
17. Total	registered tonnage,				ж	emorandum o	f Tollage	
	senger Tons.	13	25	38			, comage.	
18. Ton m	ileage	4,235	7,729	11,964			Rs.	A. P
19. Estima	ated value of cargo Rs.	7,390	17,856	25,246		not recover		
20. Numb	er of passengers	721	82 1	155	month		the 1	6 6
21. Rafts,	bamboos No.	••••	9,004	9,004				
22. Do.,	bullahs ,,		448	448	2. Tollage	er month	170	10 9
23. Estim	atted value of rafts		1,614	1,614				عنعبييود
24. Tollag	re on boats Rs.	50-5-6	94-9-6	144-1 <i>6-</i> 0	3.	Total	179	1 8
	ounded tollage on						1 3 00	w. I.
1000			*****		4. Amount	credited	in	•
26. Tollag	ge on rafts "		25-11-9	25-11-9	mont		the 172	11 8
27. Total	tollage on boats per			¹⁷ §	1	300 300 300 300 300 300 300 300 300 300		11:752-
tor	n-mile			0-0-2-3				
28 Ditto	on rafts per 100 cubic			34 20 Feb 30 - 100 - 10		due at the e	nd	(4. A.) 2 4. *
fe e				0-4-4	i jek			A.
			<u> </u>	2 B		1000	March 1	TOA.

HIGH LEVEL CANAL, RANGE III.

LENGTH OF CANAL OPEN, 19 MILES.

			TOTAL GOVERNMENT	AND PRIVATE.		PRIVA	TE.	-
Number of heats or rafts.	DRSCRIPTION.		Quantity-Tons.		Value,	Quantity.	Value.	-
		Մ թ.	Down,	Total.	Rupees,	Tons.	Rupees.	Bruake
17	1. Grain	481		481	2,456	. 481	2,456	
í	2. Cotton 3. Oilseeds		4	4	476	4	476	
1	4. Salt 5. Piece-goods	3	******	3	372	3	372	
	6. Metal	•••••	761	761	 27 5		•••••	
8	7. Building materials 8. Miscellaneous		$76\frac{1}{2}$ $43\frac{1}{2}$	43½	5,034	351	4,920	
	9. Fuel 10. Timber		88 No.	88 No.	182	38 No.	182	
7 rafts	11. Bamboos							
35 & 7 rafts	12. Total	511	124 & 88 No.	175‡ & 88 No.	8,795	88 No.	8,406	
108	13. Total of same month last year	892	357	1,249	5,862	92	4,784	
	•	Up.	Down.	Total.				
	number of boats ply- g cargo No.	18	17	35	Total tolla 24 + 25	nge of month + 26	1	1
	number of boats ply- g passenger No.	1	2	3	Total toll	age of sar	ma	
5½. Tota boo	ats No.	17	31	48	month las		207	0
	registered tonnage, rgo Tons	103	248	351	М	Temorandum o	f Tollage.	
	registered tonnage,	4	16	20			Řs.	жі А .
8. Teń-1		3,160	4,166	7,326		not recover		ī
	nated value of cargo Re.	2,828	5,785	8,613	on t mont	he 1st of t	consequences	
0. Num	ber of passengers	71	82	153				
	s, bamboos c. ft.	•••			2. Tollage	per month	82	1
2. Do.,	bullahs No.		88	88				
3. Ketin	nated value of rafts		182	182		Total	82	1
4. Tolla	ge on boats Rs.	26-3-0	51-9-9	77-12-9	3.	1000	82	
5. Com	pounded tollage on Rs.		v				in	5.4
16. Poll	age on rafts ,,			4-4-6	mon	accounts of t		1
7. Tota to	l tollage on bosts per memile	a Salar		0-0-2		4		
8. Total	Dillage on radia per Goldini fast	•••	, , , , , , , , , , , , , , , , , , ,	5-0-0		due at the c se month		1 .

SOUTH-WESTERN CIRCLE.

MIDNAPORE CANAL,

LENGTH OF CANAL OPEN, 53 MILES.

			TOTAL GOVERNMEN	ST AND PRIVATE.		PRIVAT	E.	
Number of bosts or rafts.	DESCRIPTION.		Quantity-Tons.		Value.	Quantity.	Value.	
		Up.	Down.	Total.	Rupces.	Tons.	Rupees.	
1,079	1. Grain	8,047	630	8,677	3,36,444	8,677	3,36,444	
1	2. Cotton		2	2	800	2	800	1
10	3. Oilseeds	33	59 50	92	10.775	92	10,775	
77	4. Salt		676 5	676	53,344	676	53,314	
9 6	5. Piece-goods 6. Metal	6	5	11	21,900 8,580	9	21 900	
13	7. Building materials	24	8	32	220	32	8,580	
288	8. Miscellaneous	618	351	999	4,09,638	999	4.00.690	
22	9. Fuel	5	165	170	1,920	170	4,09,638 1,920	
02 rafts		23,683 e.ft	778 e. ft,	24.461 o ft.		24,461 c. ft.	13,393	
6 "	11. Bamboos	4,500 ,,		4,500 ,,	311	4,500 ,,	311	
1,505)	5 8,767	1,901	10,668	7	10.668		
& 08 rafts	12. Total	{ &	778 c. ft.	28,961 c. ft.	8,57,325	28,961e ft.	8,57,325	
924 &	13. Total of same	4,707	1,408	6,115	1 630510	6,115		
87 rafts	month last year	(18,945 c. ft.	& 418 c. ft	19,363 e ft.	6,10,518	{19,363 c.ft.}	6,10,518	
ė.		Up.	Down.	Total.	4.554		1	
٠.				i			Rs.	4
	l number of boats ply- cargo No.	1,315	190	1,505	Total tollag	ge of month—	. 11,399	2
	l number of boats ply- passenger No.	47]	520	991	Total toll	age of same		
5⅓. Total boa	number of empty No.	578	924	1,502	month last	t year	7,014	10
l6. Total car	registered tonnage, go Tons	17,291	3,152	20,443	Ме	morandum of I	Collage	42 TAO
	registered tonnage, senger Tons	2,218	2,485	4,703				
7 f. Total em	l registered tonnage, pty Tons	2,189	3,952	6,141		100 20	Rs.	•
8. Ton-	mileage	5,16,177	2,12,630	7,28,807	on the	not recovered	9	
9. Estin	nated value of cargo Rs.	6,59,768	1,83,853	8,43,621	month		5,647	11
0. Num	ber of passengers	4,357	7,119	11,476	2. Tollage I	oer month	11,899	2
1. Rafts	s, bamboos c. ft.	4 500		4,500			2 1 3000	e et
2. Do.,	, bullahs "	23,683	778	24,461	3.	Total	17,046	14
23. Estin	nated value of rafts	12,485	1,2:9	13,704		46		
24. Tolla	ge on boats Rs	7,594-7-0	3, 124-13-3	11,019-4-3	•			
5. Com	oounded tollage on					an die a Marina	AL I	1
boa			• ••••	j	4. Amount	paid into	1	5
6. Tolla	ge on rafts "	376-14-8	3-0-0	879-14-6	treasury	during the		2
	tollage on boats per -mile Pie		*	0-0-2-9		in many	10,000	1
	Title			44.63 A	5 Bilmoo		1517	W.
	tollage primate per		The state of the state of the state of the	Later to the month of the same	As any ball of the same of	TO LOUIS TO THE WOOD OF THE PARTY OF		أتلف

HIDGELLER TIDAL CANAL.

LENGTH OF CANAL OPEN, 29 MILES.

			TOTAL GOVERNME	NT AND PRIVATE.		PRIVA	ATE.	
Sumber of bats cults.	Dusculption.		Quantity-Tons.		Value.	Quantity.	Value.	REMARKS.
		Up.	Down,	Total.	Rupees.	Tons,	Rupees.	Rex
£16	1. Grain	3,596	11	3,607	1,76,990	3,607	1,76,990	
	2. Cotton	05	******	25	1.400			1
2	3. Oilseeds 4 Salt	25 7	120	127	1,400 8,950	25 127	1,400 8,950	
15 ; 7·	5. Piece-goods		13	13	10,725	13	10,725	1
i	6. Metal		7	7	1,600			
4	7. Building materials	5	46	51	1,315	51	1,315	
979	8. Miscellaneous	249	317	566	79,278	566	79,278	1
11	9. Fuel	23	96	119	816	119	816	
5 rafts	10. Timber	108 c. ft.	60 e. ft.	168 e. ft 825 "	590 120	168 e. ft. 825	590	
2 "	11. Bampoos	500 "	325 "	, 820 ,	120	829 ,,	120	
,835 & 7 rafts	12. Total	3,905 & 608 c. n.	{ 610 & 385 c. ft.	4,515 & 993 c. ft	2,81,784	4,508 & 993 c. ft.	2,80,184	
ruits								
,211 &	13. Total of same	} 2,332 &	307 &	2,639 &	1 1 45 369	 } 2,639 & }2,507 c. ft.	1 45 369	
4 rafts	month last year.	∫ 1,935 e. ft.	572 c ft.	2,507 e. ft.	1,10,000	2,507 c. ft.	f 1,10,002	
		Up.	Down.	Total.			Rs.	Α.
	d number of boats ply- g cargo No.	950	885	1,535	Total tolla 24 + 25	ge of month + 26	3,088	4
	d number of boats ply- g passenger No.	36	4-4	80	Total to!! mouth las		me . 2,001	2
6. Tota	d registered tonnage, go Tons	8,074	4,029	12,103		***************************************		••••
	l registered tonnage, ssenger Tons	280	303	583	<i>M</i> (morandum of	Touage.	
•	mileage	116,938	58,447	175,385			Rs.	A. I
. Estin	mated value of cargo Rs.	1,95,778	85,296	2,81,074	on 1]	e not recover ne 1st of t	he	
. Num	ber of passengers	800	1,051	1,851	monti	1	1,302	13
. Raft	s, bamboos c. ft.	500	325	825	2. Tollage	per month .	3,088	4 1
	, ballahs ,	108	60	168	8			
	mated value of rafts	530	180	710	3. To	tal .	4,391	1 9
	age on boats Rs.	1,930 8-3	915-14-0	2 846-6-3	1 后 曜 ×	- 144 W W		,
boa	pounded tollage on Rs.	111-14-9	118-3-0	230-1-9	4. Amount treasurementh	ry during th	е	4 6
3. Tolla	age on rafts ,,	5-12-0	6-0-6	11-12-6	200111	1.0	1,010	1 0
	d tollage on boats per			0-0-3			-	-
	tollage on rafts per oubic feet			1-2-11		due at th		3 3

SONE CIRCLE.

PATNA CANAL SYSTEM.

LENGTH OF CANAL OPEN, 864 MILES.

Number of			TOTAL GOVERNME	NT AND PRIVATE.		Priv	VATE.	
boats or rafts.	DESCRIPTION.		Quantity-Tons.		Value.	Quantity.	Value.	
		Up.	Down.	Total.	Rupers.	Tons.	Eupees.	
1	1. Grain	11	3	14	990	14	990	
	2. Cotton			•••••			•••••	
23	3. Oilseeds	1	284	285	27,592	285	27,592	
8 25	4. Salt	101	*****	101	6,300	101	6,300.	
20	5. l'iece-goods 6. Metal	147 4	34	181	31,495	181	31,495	
96	7. Building materials,	4	797	4 797		4	14,656	
82	8. Miscellaneous	69	478	547	1,399	104	587	١.
,	(1				44,247	544	44,207	
-11	9. Fuel boat rafts	**	127	127	420	127	420	
	10. Timber . : boat	1		1	30	1	30	
•• •••	(raits		56	. 56	390	56	390	
	11. Bamboos boat							
	rafts	<u> </u>	584	634	9,973	634	9,973	
235	12. Total	384	2,363	2,747	1,37,492	2,051	1,36,640	
186 &	13. Total of same month last year	515	1,890	0.402		i	Morrison I	
70 rafts.			1,000	2,405	1,25,260	2,150	1,21 381	
		Up.	Down.	Total.			1	-
							Rs.	٨.
	number of boats ply-	90			Total tollag	e of month	_	
ing	cargo No.	38	197	235	24 + 25 +	- 96	2,149	5
	number of boats ply-	6	4	10			,,	
51 Tota	passenger No. l number of empty	0	4	10	m . 1			
boats	No.	133	19	152	Total tollag	ge of sar	100 100 100 100 100	70
	registered tonnage,			10~	month last	year	2,076	3
cargo	***	528	2,726	3,254				
7. Total	registered tonnage.	2000						
passe	onger Tons	136	108	244				
	registered tonnage, by boats Tons	360	107	467	Mem	orandum of	Tollage.	
8. Ton-mi		53,879	1,98,149	2,52,028				
9. Estima	ted value of cargo Rs.	44,552	82,157	1,26,709	1. Balance	not	Rs.	A .
		1	7750 CO TO TO	-,,,, 007	on the			
0. Numbe	er of passengers No.	353	251 }	6041	month		400	7
l. Rafts,	bamboos e. ft.	7,500	87,660	95,160	2. Tollage p	er month	2,149	5
2. Do.,	bullahs ,,		13,695	13,695		19		
3. Estima	ted value of rafts Rs.	890	9,893	10,783				
4. Tollage	on boats ,,	344-7-9	1,117-8-9	1,462-0-6	3.	Total .	2,549	13
5. Compo	unded tollage on	1						
boats		75-0-0	75-0-0	150-0-0				
Double	1	, 0-0-0	70-0-0	190-0-0	4. Amount	00021	. 177	•
. Tollage	on rafts ,,	2.5-6	534-15-6	537-5-0			in	
					month .			1
	tollage on boats per					•• •	2,225	1
	nile			0-0-1.2				
7. Total t	2010-0	1	ł	10000				
ton-m		1	1		(V		-	-
ton-m 8. Total	tollage on rafts per			2.5.5			ton and the	
ton-m 8. Total				0-7-10	5. Balance d of the m	ue at the en	d 324 1	

ARRAH CANAL SYSTEM.

LENGTH OF CANAL OPEN, 65 MILES.

	,		Total Governmen?	AND PRIVATE.		l'eiv.	TE.	
bosts or rules.	DESCRIPTION.		Quantity-Tons.		Value,	Quantity,	Value.	EK.
		Up.	Down.	Total,	Rupers.	Tons,	Rupens.	RREABES.
3	1. Grain	31	3	34	2,158	84	2,158	1
	2. Cotton	7		7	10,180	7	10,180	
13	3. Oilseeds	1	. 84	85	8,417	85	8,417	
20	4 Salt	194		194	20,100	191	20,100	1
2	5. Piece-goods	28		28	16,850	28	16,850	1
	6. Metal	14514447	1	1	150	' 1	150	1
30	7. Building materials	1	227	228	2,512	28	2,444	
62	8. Miscellaneous	7.1	267	341	28,836	198	28,756	
8	9. Fuel	78		78	536	78	536	1
	10. Timber	*****	1	1	69	1	69	1
(i	11. Firewood		456	456	2,062	456	2,062	Į.
Rafts }	Bullahs		436	436	1,511	436	1,511	
(Baniboos		160	160	1,682	160	1,682	
138	12. Total 13. Total of same	414	1,635	2,049	95,063	1,706	94.915	
212	month lust year	421	2,035	2,456	1,26,971	2,616	1,25,852	
		Up	Down.	Total.		···	Da	. A. P
	number of boats ply- cargo No.	39	99	138	Total tollar	e of month		. А. Р
Ü	number of boats ply-		33.77		24 + 25	⊥ 96;	853	15
	passenger No.	4	1	5				
	number of empty	1141.07.			Total toll	age of san	na	
boa		76	18	94	month last	year .	1,450	15
. Total	registered tounage,							
car	go	569	947	1,516				
. Total					M	morandum of	Tollage.	
pas	singor	76	66	142	2 200			
Total	registered tonnage,	950	40	900				Č.
emp	pt y	259	49	308			Rs	. A. Z
3. Ton-m	ileage	37,031	38,835	75,866	I. Balanco	not recovere	a	
). Estima	ated value of cargo Rs.	56,724	33,084	89,808		1st of ti	10	7 8
). Numb	er of passengers	969	873	1,842	ионы		05	1 5
. Rafts,	hamboos c. ft.		24,005	21,005	2. Tollage p	er month .	853	15 9
2. Do.,	826	•••••	32,706	32,706				
1. Do ,	firewood "		34,225	34,225				
3. Estim	ated value of rafts Rs.	•••••	5,255	5,255	3.	Total	919	7 ^
4. Tollag	e on boats "	218-6-6	218-6-6	436-13-0	o.	Total	91.7	1 0
boa	ounded tollage on ts and steamer Rs.	100-0-0	100-0-0	200-0-0	4. Amount the acc	ounts of the	750 1	13 2
. Tollag	e on rafts ,,	108-9-9	108-9-0	217-2-9	шопти	•	1051	io o
. Total	tollage on boats per			0.01				-
- con-	-m116			0-6-1	5. Belance di	ne at the and		
. Total	tollage on rafts per		1		of the m	c. + 1 l.	100	9 9
100	cabic feet			0-3-9	or ene d	onth	100	9 9

BUXAR CANAL SYSTEM.

LENGTH OF CANAL OPEN, .67 MILES.

			Total Government	AND PRIVATE.		Priv	ATR.	
Number of bonts or rafts.	DESCRIPTION.		Quantity-Tons.		Value.	Quantity.	Value.	BK6.
01 11110		Up.	D.wn.	Total.	Rupees,	Tons.	Rupees.	BFWARK
. 1	1. Grain		10	01	893	10	893	
 5	2. Cotton 3. Oilseeds	11	48	59	4,987		4,987	
1	4. Salt		7	7	812	7	812	
	5. Piece-goods 6. Metal	1		1	1,930	1	1,930	
15	7. Building materials		256	256	9,200			
26	8. Miscellaneous	35	313	348	21,471	348	21,471	
	9. Fuel 10. Timber		195	195	1,942	195	1.040	
Rafts	10. 11mber		119	119	2,133	119	1,942 2,133	
3.5						27.22.0	2,233	
48	12. Total	47	948	995	43,368	739	34,168	
82	13. Total of same			11. T				
	month last year	, 135	1,467	1,542	78,612	1,083	62,912	
han-	The second second second second second	Тр.	Down.	Total				
	number of boats ply cargo No.	3	45	48	Total tollar	ge of month		Å. P.
ing	number of boats ply- passenger No.	9	10	19	24 + 25	. 00	597	7 0
10½. Tota bos	l number of empty	28	2	30			1	
	registered tonnage,	59	1,155	1,214	Total tolls month last	******	1025	7 A
pas	registered tonnage, ssenger Tons	243	246	489	581 B 0 00			
174. Tota.	l registered tonnage, pty Tons	106	5	111	3.1	lemorandum o	f Tollage	
18. Ton-n		6,934	35 396	42,330		emoranaum v	, rowage.	
19. Estim	ated value of cargo Rs.	9,125	30,168	39,293			Rs.	A. P.
20. Numb	per of passengers	6211	5691	1,194		not recover		
21. Rafts,	, bamboos e. ft	******	17,775	17,775	on the mont	ne 1st of t h	he 30	3 9
22. Do.,	bullaha "	347774	14,687	14,687	9 m.11		i ngasarawa	Section States
23. Estim	ated value of rafts Rs.		4,075	4,075	2. Tollage	per month	597	7 0
24. Tollag	ge on boats "	47-11-0	231-4-6	.278-15-6				
25. Comp		75-0-0	107-0-0	182-0-0	3,	Total	627	10 9
26. Tollag	ge on rafts "	*****	136-7-6	136-7-6		ecounts of t		- 1
	tollage on boats per		25.000	0-0-2-25	mont]	h	596	10 6
	tollage on rafts per ucubic feet Rs.			0-6-8	5. Balance of the	due at the e	nd 31	0 3

BSTRACT FOR THE MONTH OF DECEMBER 1887, AS COMPARED WITH THE CORRESPONDING MONTH OF THE PREVIOUS YEAR.

CABAL.		THA	FFIC.	1887-88.	2022			TRA	FF1C.	1886-87.		1	Remarks.
CARACTE P	During the	monti	1.	To end of the	non	ih.	During the r	nontl	ı.	To end of the	mont	h.	MER LANG.
Orissa Circle.	Rs.	۸.	r.	Rs.	A.	г.	Rs.	۸.	Р.	Rs.	Α.	r.	
aldunda Canal System	800	1	6	3,653	9	0				1,500	11	4	
endrapara Canal System	4,763	3	11	30,166		0	1,363	2	G	26,332		7	
ligh Level, Range I	875		0	4,987	9	6	118		6	4,590		0	
Ditto, " II	170	10		2,666	3	0	295	11	9	2,443	U	6	
Ditto, " III	82	1	3	833	12	9	207	0	3	1,470	8	G	
Total Orissa Circle	6,691	5	5	42,307	15	3	1,984	11	0	36 337	12	11	
South-Western Circle.													
Iidnapore Canal	11,399	2	9	90,287	13	0	7,014	10	9	81,139	3	0	
lidgellee Tidal Canal	3,088			40,016	-		2,001		6	40,607			
otal South-Western Circle	14,487	7	3	1,30,334	11	0	9,015	13	3	1,21,737	4	3	
Sone Circle.													
atna Canal System	2,149	5	6	19,303	7	G	2,076	3	3	16,883	4	6	
rrah ditto	853		9	11,301		0	1,450		0	14,064			
uxar ditto	597	7	0	5,551	10	8	793	7	0	5,873	11	4	
Total Sone Circle	3,600	12	3	36,157	1	2	4,320	9	3	36,821	13	2	
GRAND TOTAL	24,779	8	11	2,08,799	11	5	15,321	1	6	1,94,896	14	4	

GOVERNMENT TRANSPORT SERVICE.

i			TRA	FPIC,	1887-88.								TRA	FFIC.	, 1886-87.				
CANAL.	1	During th	e month.		Т	o end of t	he mont	h.		1	During th	e mont	h.		Т	o and of t	he month		
	Passen-	Goods.	Total recei	pts.	Passen-	Goods.	Total	rece	ipts.	Passon- gers,	Goods.	Total	recet	pts.	Passon-	Goods.	Total re	enipt	۹.
Orissa Circle.	No.	Mds.	Rs. A.	Р.	No.	Mds.	Rs.	Δ.	P.	No.	Mds.	Rs.	۸.	Р.	No.	Mds.	Rs.	۸.	7
gh Level	196	480	252 15	1	2,699	4,216	3,394	13	6	51	6	41	15	3	6,781	12,417	7,578	5	:
Total Orissa Circle	196	480	252 15	1	2,699	4,216	3,294	13	6	51.	6	41	15	3	6,781	12,417	7,578	5	-

TOTAL NAVIGATION RECEIPTS.

CANAL.			EAR	ininos,	1887-88.				EAR	NINUS,	1896-87.			BRMARKS
OANAL.		During the r	nonth	.	To end of the	mon	th.	During the	montl	1.	To end of the	month	.	
+3		Rs.	۸.	P.	R3.	۸.	P.	Rs.	Α.	P.	Rs.	۸.	P.	(6)
sa Canals		6,944	4	6	45,702			2,026		3	43,916 81,130		2	
napore Canal gellee Tidal Canal		11,399 3,088	4	6	90,287 40,046		0	$\frac{7,014}{2,001}$	2	9 6	40,607	1	3	
e Canals	•••	3,600	12	3	36,157	1 —	2	4,320	.;) 	3	36,821		2	
Total		25,032	8	0	2,12,194	8	11	15,363	0	9	2,02,175	3	7	8

A. D. McArthur, Major, R.E., Under-Secy. to the Govt. of Bengal.



PUBLIC WORKS DEPARTMENT, IRRIGATION BRANCH, BENGAL.

SOUTH-WESTERN CIRCLE.

CALCUTTA AND EASTERN CANALS.

Statement showing Quantities of Goods carried during the month of January 1888

1 9 006 116 2,592 640 1 6,827 1 5,181 15 4. Total ne cargo 4a. Ditto e 5. Total ne	1. Grain 2. Cotton 3. Oilseeds 4. Salt 5. Piece-goods 6. Metal 7. Building materials 8 Miscellaneous* 9. Fuel 10. Timber 11. Bamboos 12. Total	91,330	Down. 2 4,502 112 129 1,158 1,911 7,814	Total. 52,025 3 129 4,948	Value, Rupecs. 36,06,029 2,000 14,844 4,50,287 41,725 38,141 23,93,920 1,38,144	Tons. 52,025 3 129 4,948	Value. Rupees. 36,06,023 2,000 14,84 4,50,287 41,723 38,141 23,93,920 1,38,144
3,141 1 9 306 	2. Cotton 3. Oilseeds 4. Salt 5. Piece-goods 6. Metal 7. Building materials 8 Miscellaneous* 9. Fuel 10. Timber 11. Bamboos 12. Total	52,025 3 127 446 32 2,643 21,927 14,127 	2 4,502 112 129 1,158 1,911	52,025 3 129 4,948 144 2,772 23,085 16,038 	36,06,029 2.000 14,844 4,50,287 41,725 38,141 23,93,920 1,38,144	52,025 3 129 4,948 144 2,772 23,085	36,06,026 2,000 14,84: 4,50,28:
1 9 006 22 116 2,592 640 1 5,181 15 4. Total no cargo 4a. Ditto e 5. Total no cargo 5.	2. Cotton 3. Oilseeds 4. Salt 5. Piece-goods 6. Metal 7. Building materials 8 Miscellaneous* 9. Fuel 10. Timber 11. Bamboos 12. Total	32 2,643 21,927 14,127	4,502 112 129 1,158 1,911	3 129 4,948 144 2,772 23,085 16,038	2.000 14.844 4,50,287 41.725 38,141 23,93,920 1,38,144	3 129 4,948 144 2,772 23,085	2,000 14,844 4,50,283 41,723 38,141 23,93,920
1 9 006 22 116 2,592 640 1 5,181 15 4. Total no cargo 4a. Ditto e 5. Total no cargo 5.	2. Cotton 3. Oilseeds 4. Salt 5. Piece-goods 6. Metal 7. Building materials 8 Miscellaneous* 9. Fuel 10. Timber 11. Bamboos 12. Total	32 2,643 21,927 14,127	4,502 112 129 1,158 1,911	129 4,948 144 2,772 23,085 16,038	14.844 4,50,287 41.725 38,141 23,93,920 1,38,144	129 4,948 144 2,772 23,085	14,84- 4,50,28- 41,72: 38,141 23,93,920
22 116 2,592 640 1 5,181 1:	8. Oilseeds 4. Salt 5. Piece-goods 6. Metal 7. Building materials 8 Miscellaneous* 9. Fuel 10. Timber 11. Bamboos 12. Total	32 2,643 21,927 14,127	4,502 112 129 1,158 1,911	4,948 144 2,772 23,085 16,038 	4,50,287 41.725 38,141 23,93,920 1,38,144	144 2,772 23,085	4,50,283 41,723 38,141 23,93,920
22 116 2,592 640 6,827 1 5,181 1: 4. Total no cargo	5. Piece-goods 6. Metal 7. Building materials 8 Miscellaneous* 9. Fuel 10. Timber 11. Bamboos 12. Total	32 2,643 21,927 14,127	112 129 1,158 1,911	144 2,772 23,085 16,038	41,725 38,141 23,93,920 1,38,144	144 2,772 23,085	41,723 38,14 23,93,920
116 2,592 640 1 6,827 1 5,181 1: 4. Total nu cargo 4a. Ditto e	6. Metal 7. Building materials 8 Miscellaneous* 9. Fuel 10. Timber 11. Bamboos 12. Total	2,643 21,927 14,127	129 1,158 1,911	2,772 23,085 16,038	38,141 23,93,920 1,38,144	2,772 23,085	38,14 $23,93.92$
116 2,592 640 1 6,827 1 5,181 1:	7. Building materials 8 Miscellaneous* 9. Fuel 10. Timber 11. Bamboos 12. Total	2,643 21,927 14,127	129 1,158 1,911	2,772 23,085 16,038	38,141 23,93,920 1,38,144	2,772 23,085	38,14 23,93,920
2,592 640 1 6,827 1 5,181 1: 6. Total nu cargo	8 Miscellaneous* 9. Fuel 10. Timber 11. Bamboos 12. Total	21.927 14,127 	1,158 1,911 	23,085 16,038	23,93,920 1,38,144	23,085	23,93.92
6,827 1 5,181 1:	9. Fuel 10. Timber 11. Bamboos 12. Total	14,127	1,911 	16,038	1,38,144		
5,181 1: 5,181 1: 6,827 1 5,181 1: 5,181 notal not	10. Timber 11. Bamboos 12. Total 13. Total of same				8 8 9	1) 1	1,00,14
5,181 1: 5,181 1: L. Total nu cargo	11. Bamboos 12. Total 13. Total of same				1	*****	
5,181 1:	13. Total of same	91,330	7,814	99.144			
1. Total no cargo			1	,,,	66,85,090	99,144	66,85,09
1. Total no cargo		1					
cargo 4a. Ditto e 5. Total n	1	65,943	11,235	77,178	49,18,464	77,178	49,18,46
cargo 4a. Ditto e 5. Total n	·	Up.	Down.	Total.		lt.	Rs.
cargo 4a. Ditto e 5. Total n	**			5.20553.3 (100.25).1	m		
ia. Ditto e	number of boats plying No.	6,309	518	6,827	24 + 25 +	ge of month 26	62,677
		3,800	1,333	5,133	Total tollage	e of same mor	nth
	number of boats plying lenger No.	315		315	last year		48,408
(7.0	registered tonnage,						
cargo		263,911	28,352	292,263	Me	emorandum of	Tollage.
	registered tonnage, enger Tons.	881		881			<u> </u>
3. Ton-mil	ileage	1,662,075	141,760	18,03,835		2	Rs.
9. Estimat	ted value of cargo Rs.	61,38,802	5,46,288	66,85,090		not recovered st of the mor	
0. Number	er of passengers No.	327		327	0 Tallana		00.077
l. Refts, l	bamboos c. ft.				2. Tollage	ber montu	62,677
2. Do., b	bullahs ,			, 	3.	Total	64,390
3. Estimat	sted value of rafts Rs.	••••	,	•••••	· ·	TOM	64,390
4. Tollage	e on boats ,,	55,731-0-6	6,946-7-6	62,677-8-0			
5. Compou boat	unded tollage on ts Rs.		 .			paid into tr	ea.
6. Tollage	e on rafts ,,	1		•••	sury mont		\$1,882
	tollage on boats per -mile Rs.			6.67 pies	8		
28. Total			M	•••	5. Balance of the		md

ARTICLES OF TRAFFIC INCLUDED IN ITEM 8 (MISCELLANEOUS).

CALCUTTA AND EASTERN CANALS.

		1		TOTAL GOVERNMENT	AND PRIVATE.		PRIV	ATB.
nmber of boats or raita.	Description.			Quantity-Tons.		Value.	Quantity,	Value.
			Up.	Down.	Total.	Rupees.	Tons.	Rupees.
695	(a) Jute	***	17,539		17,539	17,18,836	17,539	17,18,836
91	(b) Jaggery		481	37	518	50,774	518	50,774
2	(c) Sugar		17		17	2,850	. 17	2,850
2	(d) Tobacco			9	9	1,750	9	1,750
1,029	(e) Fish		231		231	64,808	231	64,808
10	(f) Hides		23		23	5,132	23	5,132
62	(g) Poultry		15		15	12,305	15	12,305
117	(h) Hay and stra	w	373		373	13,530	373	13,530
29	(j) Oils		15	303	318	44,500	318	44,500
32	(k) Earthenwere		35	13	48	1,546	48	1,546
523	(m) Other miscella	neous	3,198	796	3,994	4,77,889	3,994	4,77,889
2,592	Total Micrellaneo	ns	21,927	1,158	23,085	23,93,920	23,085	23,93,920

PUBLIC WORKS DEPARTMENT, IRRIGATION BRANCH, BENGAL. SOUTH-WESTERN CIRCLE.

TOLLY'S NULLAH.

Statement showing Quantities of Goods carried during the month of January 1888.

Number of			TOTAL COVERNMEN	AND CRIVATE.		l'riva	TE.	
boots or rults.	DESCRIPTION.		Quantity-Tons,		Value,	Quantity.	Value.	SKS.
		Up.	Down,	Total.	Rupers.	Tous.	Rupees.	EEMARES.
6,244	1. Grain	01	1	18,841 91	11,92,476 51,200	18,841	11,92,476 51,200	
	3. Oilseeds	490	259	688				ı
52	4. Salt 5. Piece-goods	3000000		000	62,575	688	62,57	
	6. Metal			****			******	. 60
259	7. Building materia	ls 2,374		2,374	6,996	2,374	6,99	3
1,142	8. Miscellaneous* 9. Fuel	3 801	131 44	$\frac{4,387}{3,845}$	4,65,522	4,387	4,65,52	2 3
240 4 rafts	10. Timber	0010 - 11	540 c. ft.	2,883 c. ft.	34,749 1,030	3,845 2,883 c. ft.	34,749) 9
1 ,,	11. Bamboos	40	••••	40 ,,	1,000 5	40 ,,	1,030	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
7,943 & 5 rafts.	12. Total	29,791 & 2,383 c. ft.	435 & 540 c. ft.	30,226 & 2,923 c. ft.	18,14,553	{ 30.226 & 2,923 e.ft.	18,14,55	
	13. Total of same	21,609 &	`	6 99713 8			· 	
7,641 & 2 rafts	month last year.		} 1,003	{ 22,612 & 14 No.	}14,00,889{	22,612 & 14 No.	} 14,00,88	9
		Up.	Down.	Total.	Total tolla	ge of mont	Rs.	۸.
4. Total ear	number of boats plyin go N		73	7,943	24 + 25	+ 26	18,19	0 12
la. Ditto	empty ,	1,536	334	1,870	Total toll	ngo at		Ä
	number of boats plyin senger N		42	719	month las	nge of set year	13,820	0 15
6. Total	registered tonnag Ton		3,009	1,10,756				
7. Total a	registered tonnage, par ger Ton		192	2,047		emorandum o	f Tollage.	
3. Ton-m	ileage	. 975,138	48,144	10,23,282			Rs.	۸.
. Estima	ted value of cargo	. 17,73,619	39,899	18,13,518	1. Balance	not recove	red	
. Numbe	er of passengers	2,512	3,471	5,983	on t	the 1st of	2-9725	12
. Rafts,	bamboos c. fi	40	••••	40	0 70 11			
. Do.,	bullahs ",	2,343	540	2,883	z. Tollage	per month	18,190	12
. Estima	ted value of rafts Rs	655	380	1,035	8.	(D. 1. 1		
. Tollage	on boats ,,	17,379-10-6	784-2-6	18,163-13-0		Total	18,815	. 8
. Compo				·	4. Amou	nt paid in		6 3 0
3. Tollage	on rafts ,,	20-3-0	6-12-0	26-15-0	mont	iry during	the 17,331	8
7. Total t	ollage on hoats per ton			3.41 pies	.5			
	tollage on rafts per 100 c feet Rs			0-14-8	5. Balance of the	due at the e	nd 1,484	0

ARTICLES OF TRAFFIO INCLUDED IN ITEM 8 (MISCELLANEOUS).

TOLLY'S NULLAH.

				TOTAL GOVERNME	NT AND PRIVATE.	1	Pniva	TE.
Number of boats or rafts.	or Inscription.			Quantity-Tons.	Value,	Quantity.	Value.	
Inte.			Гр.	Down,	Total,	Rupees.	Tons.	Rupees.
4	(a)	Jute	57		57	5,600	57	5,600
117	(b)	Jaggery	619	3	622	60,970	622	60,970
	(c)	Sugar		(11111):	(* * *			
9	(d)	Tobacco	40	3	43	8,400	43	8,400
289	(e)	Fish	54	8	62	17,473	62	17,473
	(f)	Hides						
2	(g)	Poultry	1		1	134	1	134
263	(h)	Hay and straw	661		661	12,678	661	12,678
35	(<i>j</i>)	Oils	200	20	220	30,800	220	30,800
99	(k)	Earthenware .	111	5	116	1,620	116	1,620
324	(m)	Other miscella- neous.	2,513	92	2,605	3,27,847	2,605	3,27,847
1,142	Tota	l Miscellaneous	4,256	131	4,387	4,65,522	4,387	4,65,522

ABSTRACT FOR THE MONTH OF JANUARY 1888, AS COMPARED WITH THE CORRESPONDING MONTH OF THE PREVIOUS YEAR.

	TRAFFIC	, 1887-88.	TRAFFIC, 1886-87.						
AND A COMPANIES OF THE PARTY OF	During the month.	To end of the month,	During the month.	To end of the month.					
	Rs. A. P.	Rs. A P.	Rs. A. P.	Rs. A. P.					
Calcutta and Eastern Canals	62,677 8 0	3,21,918 0 9	48,408 2 3	2,67,866 2 9					
Telly's Nullah	15,190 12 0	1,08,788 7 0	13,820 15 6	80,516 9 6					
Total	80,868 4 0	4,30,706 7 9	62,229 1 9	3,48,382 12 3					

CALCUTTA,

The 13th March 1888.

A. D. McArthur, Major, R.E.,

Under-Secretary to the Government of Bengal.

PUBLIC WORKS DEPARTMENT, IRRIGATION BRANCH, BENGAL. SOUTH-WESTERN CIRCLE.

NUDDEA RIVERS.

Statement showing Quantities of Goods carried during the month of January 1888.

			TOTAL GOVERNMEN	ET AND PRIVATE.		PRIVA	TE.	
imber of boats rafts.	DESCRIPTION.		Quantity-Tons.		Value.	Quantity.	Value,	LEES.
		Up.	Down.	Total.	Rupees.	Tons,	Rupees.	REMARKS
617	1. Grain	348	5,372	5,720	2,79,630	5,720	2,79,630	
	2. Cotton	******	•••••			••		
86	3. Oilseeds	0.110	895	895	98,377	895	98,377	già
352	4. Salt 5. Piece-goods	2,418	77	2,495	2,13,897 375	2,495	2,13,897	100
18	6. Metal	39_{28}^{19}	45	8419	19,915		375 19,915	138
15	7. Building materials	2828	101	12928	12,907		12,907	dın.
863	8. Miscellaneous	1.503	4,563	6,066	9,21,828		9,21,828	i i
102	9. Fuel	720	215	935	8,251	935	8,251	B
rafts	10. Timber	795 c. ft.	15,840 e. ft.	16,635 e. ft.		16,635 c. ft.	40,904	0 0
"	11. Bamboos		3,160 ,,	3,160 ,,	256	3,160 ,,	256	passe
,055	10 m / 1	$\int 5,056^{1.9}_{2.8}$	11,268	16,32428		16,32428	1	nuds
& rafts.	12. Total	₹ & ₹ 795 e. ft.	& 19,000 c. ft.	19,795 c. ft.	15,96,340	& 19,795 e. ft	15,96,340	Only 3 mannds passed on Bhazrigulby at Jungipore.
96 &	13. Total of same	(8,558	14,940	23,498	<u> </u>	23,498)	
rafts	month last year	8 & 348 c. ff.	& 81,218 c. fr.	& } 81,566 c. ft.]	16,98,581	& 81,566 c. ft.	}16,98,581	
		Up.	Down.	Total.			Rs.	Λ,
1 1000	l number of boats ply-	871	1,184	2,055	Total tollo	ge of month		571
	cargo No.	377.1	1,101	2,000	24 + 25		9,550	0
ster	umers. &c. No.	853	140	993	,	33		
	l number of boats ply-	511	5077492500	2022		120	i	
	g passenger No.	715 60	1,023	1,738	Total toll		me	0
	oty boats No. l registered tonnage,	00	31	91	month las	st year	10,000	J
car		18,782	22,918	41,700				
Tota	l registered tonnage,	- 250		1,,,,,,	Me.	morandum of	Tollage.	
	ssenger Tons	247	346	593				
	mileage				Dance aggresse		Rs.	A.
Estir	mated value of cargo Rs.	6,03,900	9,51,280	15,55,180		not recover		
Num	ber of passengers No.	3,361	4,163	7 504	. Common maga	ne 1st of t	Delivery and the second of the second	10
	s, bamboos c. ft.		3,160	7,524 3,160	mont	ıı.	. 338	.LU
Do.	, bullahs ,.	795	15,840	16,635	2. Tollage	per month	9,550	0
Estin	nated value of rafts Rs.	1,192	39,968	41,160				
	ige on boats ,,	3,739-5-0	5,427-13-0	9,167-2-0	3.	Total	9,888	11
Comp	pounded tollage on	y 2600020 +044000						
DUL		••••	******	"""	4. Amount	paid in	ito	
Tolla	age on rafts Rs.	6-3-0	376-11-9	382-14-9		ry during t	he o coc	14
†Tota	al tollage on boats per				шоны	•	9,606	
ton	-mile	******	******		lus essere	go we come		
Tota	l tollage on rafts per					lue at the er		10
100	oubic feet Rs.	•••••	*****	1-14-11	of the	e month .	281	13
			lieso rivers do not pe	1				
	Abstract for the month of	January 1888	, as compared t	with the correspon	nding month o	of the previou	us year.	

	188	7-98.	1886-87.					
	During the month.	To end of the month,	During the month.	To end of the month.				
	Rs. A P.	Rs. A. P.	Rs. A. P.					
alto 🌷	9,550 0 9	1,81,525 9 4	10,000 3 0	1,83,392 6 6				

A. D. McARTHUR, Major, R.R., Unda Secretary to the Government of Benyal.

PUBLIC WORKS DEPARTMENT, BENGAL.

IRRIGATION BRANCH.

Statement showing heights over mean sea-level and low water in the Rivers Ganges, Bhagiruthee, Jellinghee and Brahmapootra for the month of February 1888.

	Mirrapore.	.06	-adaliA mon¶	Height Height Height over zero of gange. sea-level. of gange.		11.50 207.73 11.68 207.73 11.69 207.73 11.60 207.73 11.60 207.73 11.60 207.73 11.60 207.73 11.60 207.73 11.60 207.73 11.60 207.73 11.60 207.73 11.60 207.73 11.60 207.73 11.60 207.73 20	
	Benares.	134.	-adaliA morfl bad			19 19 19 19 19 19 19 19 19 19 19 19 19 1	
	· •	.89	From Mirra-	Height I		189 44 199 48 199 49 19	199-34
	Buxer.	*06	From Benares.	Height He		9999 1714 1999 1714 1999 1714 1999 1714 1714	
				Height Heover mean over sea-level, of g		PDP 000 001 201 5 2 00 PD 100 00	
RIVA	Dinspore.	-221	Prom Benete.	Height He		2	
RIVER GANGES.			istuli axo1g	Height He over mean over sea-level, of k	Belo	1266 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	
	Mongbyr.	.782	From Benares.	Height He over zero of gauge. sea.	Belowzeru	00.55 00	
		.011	Proquaid mora	ght mean level.	Bel	100 12 12 12 12 13 13 13 13 13 13 13 13 13 13 13 13 13	
	Sahebgunge.		From Benarce.	Height H	Belowzero	44.4 44.4 44.4 44.4 44.4 44.4 44.4 44.	
		.69	From Monghyt	Height D		888	Bel
	Rampore Beauleab.	.172	From Benares.	Weight Horer zero over zer	() 	99.88	· ·
	uleab.	-06	From Saheb-	Height Height over mean overzero zea-level, of gauge.		######################################	41.58
	Goalundo.	-291	From Benares.			20000000000000000000000000000000000000	.,2::55
Bry		.021	oroginal mort	Height Hover nean over sea-level, of g		22525222222222222222222222222222222222	9.89
ER BRAGIE	Berhampore.			Height Horer over of gauge.		14445555555555555555555555555555555555	
RIVER BRAGIRUTERS, RIVER JELLINGHER.				Height Hover near over		######################################	
BR JRLLING	Sarupgunge.			Height He		LT38885331319998888898983313131313	
1,000				Height Height over mean over zer sealerel, of gauge	B	11 12 12 12 12 12 12 12 12 12 12 12 12 1	
BRAHMAPOOTEA.	Gowhatty.			Height Height over zero ever mean of gauge. sea-level.	Balaw zero	5 5 5 6 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	

A. D. McArihur, Major, R.E., Under-Secretary to the Government of Bengal.

The 18th March 1888.

CIRCULAR AND EASTERN CANALS.

Approximate Return of Traffic for the week ending Saturday, the 10th March 1888, as compared with the corresponding week of the previous year.

			ODING SATUR OH MARCH 1889		WERK ENDING SATURDAY, THE 1211 MARCH 1887.			
NATURE	OF CARGO.	Number of boats,	Weight of cargo.	Tollago,	Number of boats.	Weight of cargo.	Tollage.	
Andrew B. W. Street Colonial Control of Colonial Colonia		No.	Mds.	Rs.	No.	Mds.	Rs.	
Rice and paddy		 1,163	3,59,598	5,075	1,271	3,25,781	5,630	
Jute		 70	61,625	834	72	50,400	852	
Firewood	***	 134	61,233	849	116	68,785	1,006	
Other articles		 963	2,57,825	4,168	1,072	2,70,000	1,193	
	Total	 2,330	7,43,281	10,926	2,531	7,14,966	11,681	

EAST INDIAN BAILWAY.

Statement of Goods Traffic in Stantes carried during the 4 weeks ended 28th January 1888, as compared with the same period of 1887.

		189	88.	1	887.	Incr	ease.	Decr	nase.
	STAPLES.	Weight.	Freight.	Woight.	Freight.	Weight,	Freight.	Weight.	Freigh
	**************************************	Mds.	Rs.	Mds.	Rs.	Mds.	Rs.	Mds.	Rs.
	(florses, ponies, and mules	No. 127	3,503	No. 264	7,135	N		No. 1.57	3,6
ANIMALS, LIVING FOR SALE.	Sheep and goats	. 2,393	379 1,735	1 25 1 3,177	2.851	No. 22	182	No. 784	1,1
FOR BALL.	Other kinds		(10.000)		*****		•••		
Borax Sancs and rattan		4,714	3,599	2,817	1,017	1,867	1,60.1		******
aoutchour (ludi		lii l	67			46	67		*****
thinese and Japa		7,20,182	2,23,456	6,78,122	2,33,186	42,360	31		
Coal and coke, up Ditto, do	vn	23,161,355	3,20,242	18,58,715	2,60,102	4,17,610	60,140		0,
Cotton, raw	(Twist and yarn (European)	2,29,897 8,171	1,70,203	2,53,158 8,000	2,19,845 11,442	700000		28,911	40,
COTTON. MANU		11,498	6,893	13,407	7,916	*****		1,999	1,
FACTURED.	Piece-goods (Europe in)	1,30,413	1,39,880	1,31,216 22,302	1,58,581	196	10000	3.773	14,
	(Asafætida	812	506	1,160	625		128	848	
DRUGS AND MR	Other sorts, net intexicating { Intoxicating drugs (other than	882 9.105	1,555	1,355	1,808			473	
DICINES.	1 opinin, i.e., arsene, bhang,	2,105	1,529	1,617	Lark	488	488	*****	
	(ganga, and churus, &c.)		v 0*0	10.420					
	Indigo	7,718	8,970	13,272	11,457			5,521 19	5,
DYEING MATE	{Safflower	91	28	111	29		704.74	20	
RIALS.	Turmeric	6,910 10,636	3,711 5,960)	11,284	10,000			1.508	6,
Earthenware and	porcelain	813	1.000	7 47	1,042	pg	44	1. 38	
	Jute, raw Jute, raw Jio., manufactured (gunny	42,795 52,654	12,218 25,004	16,663 75,678	5,019 35,996	26,1.2	6,599	20 1:11	4.4
FIBROUS PRO-	bags and cloths).			9	100,000	1 .	20.00	100,000	10,
Dt CTS.	Other fibres, raw	19,761	7,972 39	29,132 2,330	17,671	******		.0,371	9,
	(Ceconuts	3,583	3,119	3,332	4,321	251		655	1.
RUITS & NUTS	l'All other kinds	64,372	28.278	43,177	29.115	11,195			î,
	(Wheat	1,61,033 3,0 -,919	40,994 71,191	3,87,103	1.02 254	72,180	11.200	2,21,570	ы ,
RAIN & PULSES		9,72,613	2,74,557	16,69,193	2.14.17	4150	24,740	96,589	****
	Other ram and spring crops	4,58,623	3,913 79,484	17,070 2,42,183	5,623 55,594	520	290	20.00	
overment store	S	11,925	21,760	13,694	21.017	2,16,140	43,690 83	1,769	
ums and resids		2,857 76,970 :	.,515 55:036	2,851	1.59	- 6	(i	3.0	*****
ITDES & SKIRS	Skins of sheep, gonts, and	14,922	7,271	13,757	53,125	1,165	0,548 859	5,560	****
	C small animais,	680	2.1		000	2,1,1,0	Oall		
Iorns	Lac dye	738	351	1,216 628	578 200	110	12	5(6)	,
	{ Do, shell	24.750	18,185	21,517	18,300	26.3			
	Do. stick and other kinds (Leather, unmanufactured	1,4-3	9,099 2,986	32,035 1,541	8,824		275	2,961	
	Ditto, manufactured	2,380	4,154	2,559	3,860		201	179	
dats		16,184 1	2:9	16,267 153	13,919 221	20		83	1,1
merals		1.19,858	20,786	78,609	11,910	41,219	8,816		
IETALA AND MANUPACTURES	Brass and copper	20,711 1,69,435	10,320 65 598	1,08,014	80,683 65,289		****	18,787	20.3
OF	Other metals	6,397	6,695	8,786	8,067	1,121	509	2,389	1,3
ils		40,270	25,066	25, 165	1 0,002	14,805	9,064		******
pium sints and colours		41,453 1,593	40,584 1,432	57,318 1,504	56, 121 1,379		53	15,865	15,8
	(Thee	27,328	24,808	29,632	26,780			2,301	1,9
	Construction Account	61,484	4,905 3,068	5,706	4,446	691	206	1 97 889	1,3
Ditto aitto,	Foreign	2,54,401	1,58,118	2,84,786	1,67,492		******	1,27,552 30 352	9,5
dt	Sultpetre	4,20,912 57,381	88,317 27,882	4,13,210 51,853	88,669 25,069	7.702	***		S
LTPETRE, &C.	Other saline substances	17,638	3,938	14,095	3,340	2,643	2,813		•••••
×011	Linseed	3,26,341	1,01,797 25,958	1,88,541	62,967	1,37,800	38,330		******
	Mustard and rape Til or gmjelly	1,01,286 43,277	8,502	96,976 59,647	23,4-18 0,432	4,310	2,490	16,370	9
	Other oriserds	41,511	12,039	70,271	18,269			25,730	6,2
OTHER	Indigo seed	66,231	18,256	79,801	25,116	*****		13,570	6,8
(PEEDS.	Other kinds	29,258	8,365	21,489	7,615	7,790	750		
	Silk, raw	4,327	2,270	4,547	2,515			220	2
L X	Do., ditto (Indian)	416	343	463	497			47	1
		18,096	12,622	10,509	6,493	7,497	6,129		*****
one and marble	Sugar, refined	1,52,282	20,704	1,79,020	13,261 30,062	******		20,832	3, 4 9, 3
HAR	Do., unrefined	4,02,120	65,565	3,69,135	65,886	32.085			3
A }	Tes, Indian Do., Foreign	1.204	3,071	1,273	2,016		1,025	69	•••••
жесо		1,348	7,167	28,306	11,004	374		7,023	8,83
	Timber	30,422	6,357	33,642	6,823			8,220	50
(Firewood Wool, raw	39,265 1,259	1,917	1,133	3,083			9,213	1,16
	Do., manufactured (Euro-	453	813	405	862	126	237	42	•••••
ot{	Wool, manufactured (Indian)	2,110	2,784	2,200	2,759		1	227	
ı	Shawis						25	99	
ether wicles of	merchandise	2,89,449	1,43,848	2,88,544	1,72,242	5,905			28,39
Cener Tennes Of	t_								

General remarks on the fluctuation of principal stantes carried over the East Indian Railway during month ended 28th January 1888.

INCREASES.

Coal and coke. - There was an increase in the weight of upward traffic attended with a decrease in the earnings; the downward traffic showed increases both in weight and carnings. The increase in the upward traffic was due to despatches for Foreign stailways, and that in the downward despatches is attributable to the same cause as mentioned in the remarks for December last.

Jule, raw - Due to desputches from the Eastern Bongal State Railway viol the Jubilee Bridge.

Other grains. - Grain and Palses - As in December, the increases in these stupies were due to searcify in the North-West Provinces.

Monroals.—This increase was principally in lime from Rancegunge, Jukehi and Katni,

Kwe (husked and nahusked). There was a decrease in the weight carried attended with an increase in the earnings; the . former was due to decreased despatenes to Howran for export, and the latter to long lead traffic carried up-country,

Oil. - Due principally to despatches of kerosine oil from Howrah.

Seeds. - The factorise was principally in linsed to Howrah for export.

Spices, - The increase was chiefly in children from Mokameh and Mokameh ghat to Howrah.

DECREASES.

Cotton .-- Due to the traffic being diverted to Bombay owing to prices being higher there than in Calentia.

Piece-goods, European. - This decrease was in long distance traffic from Howrah to stations in the North-West and the Punjab own: to the searcity prevailing in those pravinces.

Indigo. - Due to the dye having been carried earlier this season than last,

Turmeric. - This is a recurrence of the decrease shown in December last, and was entirely in the despatches from Howenh owing to a poor demand.

Ganny.—Due to a full in the market after the heavy despathces in December last,

Other fibres, raw. - This was principally in hemp, for which the Calcutta nearket this year has been reafavourable.

Wheat .- Due to want of stocks.

Brass and copper. The decrease under this head is attributed to a rise in the price.

Opina. - Due to Government arrangements for despatch.

Railway material. Farcian. - Due to a decrease in the long distance despatches from Howrah.

Sugar, reflaced and unreflaced. - The long distance traffic from stations in the Dinapore district was poor.

oult .- The decreas was nominal.

Tobacco. - Due to orderary fluctuation of trade; the decrease was principally in despatches from Patna glat and the Tirhon. State Railway.

ALLEN MEARS, Deputy Traffic Manager.

Trapple Manague's Office, Jamalpur, the 9th March 1888.

Eastern Bengal State Railway.

Abstract of principal commodities carried over the Eastern Bengal State Railway during the month of December 1887, as compared with the same month of the previous year.

			18		1886	•	Тот	AL.		
STAPLES.			Up.	Down.	Up.	Down.	1887.	1886.	Increase.	Decrease
***************************************			Tons.	Tons.	Tons.	Tons.	Tous.	Tons.	Tons.	Tons.
Conl		:::	7,332 62	8,142 180	2,507 9	762 11	10,474 213	3,269 18	7,205 224	
1. European			h l	1			1			
2-Indian	•••	***	11	1			į.			
ofton piece-goods-						1	1			
1 - European a In bales and bund	le s		2,097	113	2,069	199	2,240	2,268		2.
		***	1 5,50	113	2,000		2,00	1000	0.0000000	1
2.—Indian—							1		(
a - In bales and bundl	68	***	!!							
bIn boxes	***	***)	I			1			
Prains— 2.—Rico			1,752	5,919	508	1,544	0,771	2,052	4,719	
5.—Others			623	7,005	282	1,107	7,628	1,389	6,230	
Iides and Skins—									Ď.	
1.—Hides of eattle— a.—)-ressed						1		}	9	
b.—Undressed		!"	!i			8				li .
2Skins of sheep, &c		- 7	} 17	611	37	791	628	828	*****	200
a Irressed			1 1	. i						
b.—Undressed	6 8	**	? !					2	y.	
ute- 1Raw-							1			1
a Screwed			meetre .	4,343		3,744	4.813	3,711	599	
b,-l'nscrewed			10	27,490	1	19,943	27,500	19,944	7,556	
2Gunny-bags and cloth	***		276	1,687	104	1.698	1,963	1,802	161	•••••
intals—			ν .							
1Copper, unwrought 2Bruss, unwrought		***	1							
3 4rass and copper, wrong	ht	***		1			200	1 045). 	
4.—Iron			782	114	1,125	140	896	1,265	*****	303
5,-Tm		***	1						8	1
6 Others Dils –	***	***	<i>i</i> j	- 1		4	I		Ÿ.	
0 1/			212	21	351		233	351	******	111
6 (5.1			189	32	127	17	221	1+1	77	
Dilseeds—										
	•• •••	200) :			8 1				
			!			- 1		•	i i	ě.
			122	657	432	139	770	571	208	
5 Castor	***		1	1						
	*** ***	1233	1	1	1					il
7.—Others		***	,	1		- 1				
m II . I . I I I I			67	659	28	316	626	344	282	
3.—Otners		88	550	211	204	191	594	395	199	*****
선생님들 보다가 되었다면 하지 않는데 그는 것이 없는 것이 없었다.		***	2,335	801	2,303	. 779	8,166	3,082	84	******
alt	***	•••	1,995	13	3,424	9	2,008	3,433		1,420
1 Prained		***	7							
2Undrained			399	60	214	184	459	398	61	*****
ea— ·			i, i			8				
A 1. 1		***		1,534		1,596	1,634	1,596		62
Vood—		****	_	1), a 1	•			
1,- Timber			90	153			213		243	340040
2Frewood			1,211	26	1,719	67	1,237	1,786	*****	549
Obreco		114	78	946	63	423	1,024	486	538	******
Il other articles of merchandise- 1.—Unmanufactured		15000	,	1						
2Manufactured	··· ···		3,400	2,238	2,462	1,257	5,647	3,719	1,928	
ay, struw, and wooloo (C. & S)	E. Section)	318		501	9	318	510		19:
				1				526E ()		1277
	Toirt		23,726	57,018	15,470	34,924	89,771	53,394	30,323	2,944
				1000				00,000	00,040	6,00

Excludes local traffic of the Dacca Northern Benral, and Kaunea and Dharlla Railways during 1886.

Comparative statement of the principal commodities carried over the Eastern Bengal State Railway during the month of December 1887.

INCREASES.

Coal	•••								7,205
From the East Indian	Railway	for railwa	y and flotill	a purposes i	and for the	public.	107,7556	555	.,200
Grain	***	•••	••	440	***		***		10,958
Good crops and a favo	ourable m	arket.							
Jute	***	•••	***	•••	•••	***	•••		8,155
Goalundo contributed	about ha	If the abov	e quantity o	ind Serajgai	ij and the I	Northern se	ction the r	emainder.	-,
Tobacco		•••		•••	***	•••	•••	•••	538
Increases in despatch	es from R	ungpur, Ka	unia and D	omar princi	pall y .				
				DECREASES	s.				
Metals									369
This decrease can only	y be attril	buted to ore	linary trade	fluctuation	s.	1000	,	•••	000
Salt	***			***		1	***	•••	1,425
Decrease in despatch Firewood	es of hide	salt to Da		2.000	rting-statio	ne.		100	70- * 70-74-57
Falling off in despate	hes from	the Souther	n section, C	hampahati	and Banara	principally	r. · · ·	***	549

CALCUTTA, the 12th March 1888.

Bengal Central Railway.

Abstract of principal commodities carried over the Eastern Bengal State Railway during the month of December 1887, as compared with the same month of the previous year.

				188	57.	18	86.	To	tal.		ass ome
STAPLES.				Up.	Down.	Up.	Down,	1887.	1886.	Increase.	Decrease
	20	10.01.00		Tons.	Tons.	Tons.	Tons.	Tous.	Tons.	Tons.	Tons.
2.7				2,107		1,171		2,407	1,171	1,233	
Coal	000	***	***	2,1				1		1	
Cotton piece-goods-	***	0565	200	10.55	1				190		
aIn bales and bune	lles	***	***	103	1	190		164	130		26
Grains-				2	690	3	164	693	167	525	
2Rico	***	***	•••	26	43	111	5	69	116	,	47
5Others Hides and Skins -	•••	•••			-0	• • • •		775.25	17	1	
1Hides of cattle-			1					21	75		
bUndressed	•••	•••	200		21		75	21	13	e attacks	54
jule			- 1					- 1			
1.—Raw—			ĺ		10			10		10	
a.—Screwed b Unserewed	***				971		269	971	209	702	******
2 Gunny-bags and cloth				8 1	il	6	4	9	10		1
Metals-								1			
1Copper, unwrought	***	***	2000)		1	1	1			
2. Brass, unwrought	200	***		1 1	1	- 1	1	1	1000		- 4
3.—Brass and copper, wrong	çh b	***		} 41	17	73	G5	58	137	******	70
4Iron	***	***		1		1	•				
5.—Tin 6.—Others	•••	•••) [1	- 1		1			
O:ls	1000				1				1	1	95
2 Kerosine		***		46		51		44	31		10
3Others		***		83		31 .		83	31	63	******
Oilseeds -			- 1.	. 1	1	- (- 1	1	1	- 1	
1 Linseed	***	***		1	1	ŀ	16	1	1	- 1	
3.—Rape and mustard 3.—Til or gangelly	***	***		1 1	1		1	1	1	1	
3.—Til or gangelly				35	13	279	.1	47	280		233
6 Custor		***		1	117771		1	- 1	- 1	1	
6.—Poppy	•••			1 1	1	- 1		- 1	1	- 1	
7 Others				, 1	1	1	1	1	į.		
rovisions-				2	645	6	316	547	322	225	******
z.—Betalnuts s.—Others	•••	***		67	60	22	51	127	7.3	54	******
Railway plant and rolling-stock	:: :		:::	161	87	46	37	248	83	165	******
alt	***			129		140		129	146		17
UKAT-					4				- 1	1	
1Drained		•••	::: }	8	82	2	101	40	103		63
2.—Undrained		•••		, ,		- 1					
Vood—			1	. 1	- 1	. 1			9/1	,, 1	
1. Timber 2. Firewood			::: }	21	23	19	11	41	30	14	
obacco				38	17	39	8	55	47	8	******
Il other articles of merchandise	-	4255		- 4		1			1	1	
1Umanufactured		•••	3	369	178	400	194	547	594		47
z Manufactured		***	5	.,,,,,	-10	25.00	_ 555				
	Tot	0010	1-	3,605	2,708	2,660	1,301	6,313	3,901	2,989	677

Comparative Statement of the principal commodities carried over the Bengal Central Railway during the month of December 1887.

			In	CREASES.					
Coal		¥¥).			••				Ton*. 1,233
For Railway and Flor	tilla purposes.								882
kice			***	***	***	***	•••		525
Principally from Sing	thia and Khulna.	2							175-20-27-27
Jute	•••	4100			***	••		***	712
From Khulna and the	Magoora and M	adaripor	e districts.						
Betelnuts				•••	***				225
For export to British	Burmah.								
Railway plant			300	***	***	***	***		165
For repairs and renev	vals.								
			DECE	EASEF.					
Seeds		2			•••	•••			233
Depression in the Lon	don market.				15550	0.535			

CALCUTTA, the 13th March 1888.

F. P. Quinlan, Examiner of Accounts.

Weekly Return of Traffic Receipts on Indian Railways.

EAST INDIAN RAILWAY.

Approximate Return of Traffic for week ended 3rd March 1888, on 1,5137 miles oven.

	COACHIN	COACHING TRAPPIC.			MERCHANDISE AND MINERAL TRAPFIC.			Total	TRAFFIC TRAIN-MILES RUK.		
	Number of passengers.	Coachii recent	- FE	Weight enried,	Receipts.	testim	ited).	carnings.	Coaching.	Merchan- dise.	Total.
		Es.	A. P.	Mos.	Rs. A. P	Rs	A. F.	Rs. A. P.			
Total traffic for the week Or per mile of railway For previous 8 weeks of half-	253,059	3,28,206 216	14 0° 13 1	27,50,227	6,45,432 2 426 6		14 0 9 6	9,94,221 14 3 653 12 8	69,933	103,4911	173,424
year	2,181,205	25,64,776	7 0	2,23,80,695	0 51,28,931 3 (1,79,325	2 4	81,70,062 12 4	500,565	852,656	7,683,231
Total for 9 weeks	2 434,264	28,92,983	5 0	2.51,30,023 1	0 60,71,593 5	1,99,908	0 4	91,67 281 10 7	600, 128	956,1571	1,550,555
COMPARISON.									1		
Total for corresponding week	,			1					1		
of previous year Per mile of railway corresponding	270,858	3,06,003	9 4	26,57,196 5		1	13 9	10,45,147 3 7	66,997	116,734	198,731
week of previous year	conne	292	9 9		475 2	12	1 7	689 13 10			***
Potal to corresponding date of previous year	2,386,989	26,80,487	10 0	2,38,60,523 3	0 61,64,797 14 10	1,68,930	6 6	90,14,215 15 4	614,070	1,002,780	1,616,850

[•] The increase in coaching traffic is due to the running of Troop extra trains, and mule specials.

Approximate Statement of gross receipts of the East Indian Railway, prepared in accordance with Public Works Department Circular No. XXI, Builway, dated 23rd July 1883.

	TS POB WEEK			ts for week d March 188			L RECEIPTS PRO , 1886 to Sta ! 1887.		Arum	L BRCKIPTS PRO 1887, TO SED 1888,		Total	Tota
Mean nileage rorked.	Beceipts.	Per mile worked.	Mean mileage worked.	Receipts.	Per mile worked.		Total receipts.		Mean included worked.		Per mile worked per week,	Increase in 1585.	decrease in 1888
*	Rs.	Rs.		Rs.	Rs.		Ra,	Rs.		Ra.	Rs.		Rs.
1,515	10,45,147	690	1,513	9,91,222	G57	1,515	4,32,95,103	595	1.5163	4,26,30,959	586		5,53,144

PATNA-GYA STATE RAILWAY.

Approximate Retwen of Traffic for week ended 3rd March 1888, on 57 ti miles open.

	COACHING	TRAFF	c.	MERCHANDISE TRAI		Other carnings	Total	TRAPFIC	TRAIN-MIL	ES RUN.
	Number of passengers.	Conch receip		Weight carried.	Receipts.	(estimated).	earnings.	Coaching.	Merchan- uise.	Total.
,	4	Rs.	A. P.	MDS. E.	Rs. A. P.	Rs. 4. P.	Rs. ▲. ۲.			
Total traffic for the week Or per mile of railway For previous 8 weeks of half-	14,100 247	7,265 127	10 0 0 4	18,611 25 5:4 9:	1,336 15 0 23 6 0	53 10 0 0 15 0	8,626 3 0 151 6 4	1,828	566	2,394
year	109,764	59,599	1 (-	2,64,301 201	16,994 8 of	308 12 01	76,002 5 0	14,656	1.724	19,380
Total for 9 weeks	123,963	66,864	11 0	2,84,319 0	18,331 7 0	362 6 0	85,558 8 0	16,484	5,290	21,774
COMPARISOR.										20
Total for corresponding week of previous year Per mile of railway correspond-	14,760	7.903	8 6	40,986 30	3,046 6 0	59 3 0	11,009 1 6	1,768	626	2,894
ing week of previous year	258	128	2 9	716 30	53 4 2	1 0 7	192 7 6			*****
Total to corresponding date of previous year	121,737	65,261	14 3	4,60,146 0	28,106 2 3	525 3 6	94,253 4 0	15,800	7.488	28,286

Approximate Statement of gross receipts of the Patna-Gya State Railway, prepared in accordance with Public Works Department Circular No. XXI, Railway, dated 23rd July 1883.

	IS FOR WEEK			TS FOR WEEK			L RECEIPTS FR April, 1886 to March 1887.	5TH		L RECEIPTS VE APRIL 1887 TO MARCH 1888.		Total	Total
Menn milenra vorked.	Receipts.	Per mile worked	Vienn witenge worked.	R-ceipts.	Per mile worked.	Mean milenge worked.			Mean mileage worked.	Fotal receipts.	Per mile worked per week.	increase in 1888.	decrease in
571	Ra. 11,000	Rs.	57]	Ra. 8,658	Ra. 151	67}	Rs. 4,96,553	Rs. 181	87)	Ra. 4,64,006*	Ra.		Ra. St,147

Deducted Its. 126 on account of difference between the approximate and auditod returns up to week ended 28th January 1888.

DILDARNAGAR-GHAZIPUR, STATE RAILWAY.

Approximate Return of Traffic for week ended 3rd March 1888, on 12 miles open. .

94	Содения	TRAFF	ıc.	MERCHANISISK TRAI	AND MINEBAL	Other earnings	Total earnings.	TRAPPIC	THAIN-MIL	RS RUN.
al:	Number of passengers.	Coach		Weight carried.	Receipts.	(estimated).	Total Parnings.	Covehing	Merchan- uise.	Total.
		Hs.	A. 7.	MDS. S.	Rs. A. P.	Rs. A. P.	Rs. A.P.			
Total traffic for the week Or per mile of railway For previous 8 weeks of half-	2,410		13 0 2 5	21,729 20	589 4 0 49 0 4	8 0 0 0 10 8	1,000 1 0 8J 13 5	3171	156	493
Jest	23,451	3,987	1 0	1,66,893 201	3,570 10 Ot	76 3 ot	7,639 14 0	2,716	1,232	8,948
Total for 9 weeks COMPARISON.	26,064	4,396	14 0	1,91,623 0	4,164 (\$ 0	84 3 0	8,645 15 0	3,0531	1,388	4,441
Total for corresponding week of previous year Per mile of railway correspond- ing week of previous year	3,187		5 7 13 10	15,186 0	287 6 0	10 4 0 0 13 8	835 15 7 69 10 8	• 349	153	498
Total to corresponding date of previous year	27,613}	4,629		1,01,098 30	4,609 5 0	59 3 3	9,387 15 5	3,120	1,355	4,508

Approximate Statement of gross receipts of the Dildarnagar-Ghazipur State Railway, prepared in accordance with Public Works Department Circular No. XXI, Railway, dated 23rd July 1883.

RECRIPTO 511	8 FOR WEEK II MARCH 188	ENDING 67.	RECEIPT	TS FOR WEEK ED MARCH 18	ENDING		L RECEIPTS PROPERL 1886 TO 3 MARCH 1887.	TH		RECEIPTS PROPRIE 1887 TO 31 MARCH 1888.		Total	Total
Mean mileage worked.	Roceipta.		Mean mileage worked.	Receipts.	Per mile worked.	Mean milesge worked.	Total receipts.		Mean mileage worked.	Total receipts.	Per tade worked per veek,	INSE,	decrease in .1888.
	Rs.	Rs.		Rs.	Rs.	İ	ks.	Rs.		Rs.	Rs.	Rs.	n ·
12	836	70	12	1,006	84	12	44.528	77	12	44,174*	77		35.

Deducted Rs. 207, being the difference between the approximate and audited returns from 1st to week a ded 28th January 1888.

SINDIA STATE RAILWAY.

Approximate Keturn of Traffic for week ended 3rd March 1888, on 74, miles open.

	COACHING	TRAFFI	c.	MERCHAN		AND MIN		1	Other en	rni	ngs	Total ca	1000000	TRAFFIC	PRAIN-MILE	s RUK.
	Number of passecurs.	Concl.		Weight curried.		Recei	pts.	. 1	(estima	ted		Totalea	rning	Coaching.	Merchan- dise,	Total,
		ka.	A. P.	MDS.	в.	Ks.	۸.	ľ.	Rs.	A	. г.	Rs.	A. 1			
Total traffic for the week	4,507	3,465 46	8 n 5 3	75,678	20	3,279 43	7 13		138 1	11 13		6,853 52	10 .		1,342	2,040
For previous 8 weeks of half- year	39,28:	29,55.0	7 0*	7,40,574	10+	36,016	3	0+	960	ű	0‡	66,557	0 4	b,2604	13,685	14,345
Total for 9 weeks	43,886	31,, 15	15 0	8,16,252	36	39,325	10	0	1,029	1	0	73,440	19 0	5,943	11,447	29,390
otal for corresponding week	ũ,138 }	4,477	14 6	1,10,943	0	4,551	14	0	82	11	6	9,112	8 0	738	1,441	2,194
Per mile of railway correspond- ing week of previous year Cotal to corresponding date of previous year	52,280	59 39,408	13 10 12 4	9,77,258	30	60 48,606	13 13		1 863	7		121 88,888	13 2	6,034	11,653	18,587

^{*} Added NS. of passengers 18 and deducted Rs. 307 0 0 to necessary between the approximate and sadded returns from week order 7th to 28th January Ditto Mds. 25,319 and 88 0 0 168.

Approximate Statement of gross receipts of the Sindia State Railway, prepared in accordance with Public Works Department
Circular No. X.XI, Railway, dated 23rd July 1883.

RECEIP	THE MARCH 188	nnding 7.		TS FOR WERK			L RECEIPTS FEC LPRIL 18.6 TO : MARCH 1887.	III		AL RECKIPTS PRO PRIL 1887 TO SI MARCH 1888.		Total	Totai
Mean Mean Meane Mekod.	Receipts.		Mean mileage worked.	Receipte.	Per mile worked	Mean mileage worked.	Total receipts.		Mean mileage worked.	Total receipts.	Per muc worsed per week.	less.	decrease in
	an. kuş	3a. 180	748	Ba. 6,884	Rs.	742	Rs. 3,78,678	Rs. 105	745	Rs. 6,08,047*	Rs. 114	Rs. 34,060	

TARKESSUR BRANCH RAILWAY.

Approximate Return of Traffic for week ended 3rd March 1888, on 221 miles open.

*	COACHING	TRAFFIC.		MERCHANDISE /			Other earnings	Total	TRAFFIC	TRAIN-MILI	18 RUS.
	Number of passengers.	Coachin receipts	100	Weight carried,	Receipts		(estimuted).	earnings.	Coaching.	Merchan- dise.	Total.
		Rs. A.	P.	M Ds. 6.	Rs. A	. р.	Rs. A. P.	Rs. A. P.			1
otal traffic for the week r per mile of railway or previous 8 week of half-	20,832	5,621 13 252 10		10,154 10	\$36 14 15 1		6 4 0 V 4 6	5,964 15 0 268 1 5	885	83	968
year	165,253°	42,329 10	0*	68,952 01	2,307	0 0 1	49 9 0	41,096 8 0	7,216	630	7,876
Total for 9 weeks COMPARISON.	186,105	47,951 7	0	79,106 10	2,611 3	0	55 18 0	6c,651 7 0	8,131	718	8,844
otal for corresponding week of previous year	20,1424	5,198 2	. 9	10,245 0	851 1	7 0	9 3 0	5,501 12 9	904	и	968
ing week of previous year otal to corresponding date of previous year	193,7524	233 16 47,336 -		76,788 30	2,425		0 6 7 61 12 3	249 15 6 49,823 9 7	8,750	424	9,174

Approximate Statement of gross receipts of the Tarkessur Branch Railwan, prepared in accordance with Public Works
Department Circular No. XXI, Railway, dated 23rd July 1883.

RECEIPT 61	B FOR WREK H MARCH 18	RNDING 87. ■		TS FOR WREIGH IS			RECEIPTS FROM PRIL 1887 TO 51 MARCH 1887.			L RECEIPTS FRO APRIL 1887 TO 3 MARCH 1888.		Total	Total
Mean milente worked.	Receipts.	Per mile worked	Mean mileage worked,	Receipts.	Per mile worked	Mean milesge worked.	Total receipts.	Per mile worked per week	Mean mileage worked.	Total receipts.	Par mile worked per week.	less.	decrosse in 1889.
m	Rs. 5,562	Rs. 250	221	Rs. 5,965	Rs. 268	22}	Rs.5 2.26,526	Rs. 212	22}	Rs. 2,43,830	Rs. 228	Rs. 17,313	

Deducted Rs. 508 on account of difference between the approximate and audited returns up to week ending 28th January 1885.

NALHATI STATE RAILWAY.

Approximate Return of Traffic for the week culting 3rd March 1888, on 274 miles open.

	COACHIN	G TRAPPI	c.	MERCHAN		PIC.	*110,550.	Other ea	rni	ngs	Tota	,		TRAPPIO	TRAIN-MII	ES BUN
•	Number of massengers.	Coaching receipte		Weight carried.		Receipt	s.	(estimat			esrum	70		Coaching.	Merchan- dise.	Total.
7		Rs.	A. P.,	М №8.	н.	Ks. A	. Р.	Rs.	۸.	P.	Ra.	۸.	P.		Ī	i –
Fotal traffic for the week For per mile of railway For previous 8 weeks of half-	3,371 124	1,337 40	0 0 1 0	12,924 474			0 0		0		2,23 4 81	0 15		509	£04	76
year	26,004	9,599	0 0	1,49,762	0	7,217	0 0	269	0	0	17,095	0	0	4.072	3,458}	7,52
Total for 9 weeks	29,375	10,936	0 0	1,62,686	0	8,105	0 0	278	0	0	19,319	0	0	4,581	8,710}	8,29
COMPARISON														٠		Same of the same o
of previous year	3,379	1,218	9 8	13,853	20	611 1	5 0	22	4	0	1,915	12	8	509	887}	896
ing week of previous year	124	45	13 0	508	0	23 1	1 0	0	13	0	70	5	0	*****	******	
previous year	28,520}	10,537	9 0	1,30,481	0	6,979	4 0	205	6	6	17,722	8	6	4,653	3,222	7,874

FINANCIAL YEAR.

Approximate Statement of gross receipts of the Nalhati State Railway.

			RECEIPTS FRO BIL 1887 TO SR MARON 1888,		H IST	PRICEIPTS PRO PRIL 1886 TO 51 MARCH 1887.	TOTAL A		TS FOR WEEK D MARCH 189			POR WERK	
Total decrease 1887-88	Total , increase in 1887-88,	Per mile worked per week.	Total receipts.	Mean mileage worked.		Total receipts.	Mean mileage worked.		Receipts.	Mean mileage worked	Per mile worked.	Receipts.	Mean nitence worked.
	Rs. 7,251	Es,	Rs. 87,465	17 1	Re. 61	Ra. 80,234	274	Ra. 82	Ra. 2,834	271	Es.	Rs.	271

[•] Deducted No. of passengers 1,010 and Rs. 344 and ... 31 on account of differences between the approximate and audited returns from week ending 7th to 28th January 1888. 2 Ditto ... 5)

TIRHOOT STATE RAILWAY.

Approximate Return of Traffic for the week ending 3rd March 1888, on 259 miles open.

1,54	COACHING	TRAFFIC		MERCHANI		Pric.	EE		Other ear	ากกร	Total		TRAFFIC	TRAIN-MIL	es bux.
	Number of passengers.	Coachii receipt		Weight carried.		Receip	ts.		(estimat		earnings.		Coaching.	Merchan- dise.	Total
tradic for the week on 259		Rs.	A. P.	Mds.	в.	Rs.	۸.	P.	Rs.	A. P.	Re. 4.	P.		1	
les open	37,582 145	15,691 60	1 0 9 0	2, 30,203 889		23,382 90		6	3,783 3	0 9	42,856 3 153 13		5,887	0,972	15,859
br	350,551	1,41,525	15 0	16,52,526	80	1,70,375	14	6	29,530	15 3	3,41,432 12	9	54,358	67,744	192,100
Total for 9 weeks	388,133	1,57,217	0 0	18,82,730	0	1,93,758	0	0	33,314	0 0	3,84,280 0	0	60.245	77,716	137,96
COMPARISON. I for corresponding week of vious year on 246 miles open	36,241	14,007	10 7	1,97,648	0	19,077	8	0	3,008	7 1	36,183 9	8	• 5,492	7,003	12,49
bile of railway correspond- week of previous year to corresponding date of	147	86	15 0	803	0	77	9	0	4	0 0	138 8	0			
vious year	340,970	1,41,425	9 10	14,65,266	10	1,44,126	15	0	27,809	11 11	3,12,862 4	9	51,259	50,274	101,53

[·] Steam-boat earnings excluded in calculating "Total carnings per mile of Railway."

FINANCIAL YEAR.

Approximate Statement of gross receipts of the Tirhoot State Railway.

	RECRIPTS FOR WERK EXDING 5TH MARCH 1857.			S FOR WERE			PRIL 1886 TO 5 MARCH 1887.			L RECEIPTS PROPERL 1887 TO SI MARCH 1888.		Total	Total
Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Receipts.	Por mile worked	Mean mileage worked.	Total receipts,	Per mile worked per week.	Mean mileage worked.	Total receipts.	Per mile Worked per week,	increase in 1867-88.	decrease in 1857-88.
	Re.	Rs.		ks.	Rs.	1	Ra.	Rs.		Rs.	Re.	Rs.	***
246	36,184	147	259	42,856	165	246	14,81,601	125	252.04	16,88,953	140	2,07,352	
			D	ARJEEL	ING-HI	MALA	YAN RAIL	WAY	сомі	PANY, LIM	ITED.	Rs.	
		App Corr	roximate espondi	e carnings i	for week st year	ending 	25th Febru	ar y 18	88		 	9,519 8,441	
		Incr	case		ne:		•••					1,078	•
		Reco	eipts from	n 1st Janu nuary to 20	ary to 2 5th Febr	5th Fel	bruary 1888					52,855 46,876	
		Incr	ease				•••	•••			•	5,970	

DABJERLING, the 5th March 1888.

Increase

Miles open, week ending 25th February 1888 Corresponding week last year

Receipts per nile open, week ending 25th February 1888 Corresponding week last year

H. Binen, Acting Secretary, D.-H. Ry.

Miles.

61 51

Rs. A. P.

165 8 · **2**



SUPPLEMENT TO

The Calcutta Gazette.

WEDNESDAY, MARCH 21, 1888.

OFFICIAL PAPERS.

Non-Subscribers to the Gazette may receive the Supplement separately on payment of Six Rupees per annum if delivered in Calcutta, or Twelve Rupees if sent hy Post.

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EXTENSION OF THE REVENUE MONEY ORDER SYSTEM.

REVENUE DEPARTMENT-LAND REVENUE.

Calcutta, the 20th March 1888.

RESOLUTION.

READ-

- A memorial from Zemindars of the Chittagong district, received 28th March 1884, praying to be permitted to remit the Government revenue, cesses, &c., by postal money-orders.
- A letter dated 1st August 1886, from the Tihoot Landholders' Association, and a petition dated 6th March 1887, from a Zemindar of Sherepore in Tirhoot, praying as above.
- A petition from Messrs. Bird and Company, dated the 15th December 1881, suggesting that a postal money-order may be treated as equivalent for money or Government securities under section 15 of Act XI of 1859.
- A letter No. 62, dated 23rd December 1887, from the Honorary Secretary to the East Bengal Landholders' Association, urging that the present maximum limit for revenue money-orders be raised to Rs. 100.

THE Government of Bengal has from time to time received memorials from semindars representing the inconvenience which they experience in having to

pay their land revenue at district head-quarters, often situated at a great distance from their residences, and requesting permission to transmit such dues by postal money-orders. The Board of Revenue and Collectors, when first consulted as to the proposed arrangement, represented that the difficulties would be very considerable; but afterwards, on considering a complete scheme framed by the Postmaster-General, Bengal, for giving effect to the wishes of those concerned, they viewed the suggestion with greater favour. In October, 1886, the system of payment by postal money-orders was accordingly introduced experimentally in the Daeca and Burdwan Divisions for land revenue demands of less than fifty rupees a year, and, having proved successful within these local limits, it was extended in 1887 to all the districts of Lower Bengal. It is understood that the concession thus made has been generally appreciated, and the Lieutenant-Governor has now much pleasure in providing, at the suggestion of the Board of Revenue and the Postmaster-General, that from the first day of April it shall extend to all demands on account of land revenue, of whatever amount, and also to Zemindary Dak, Road, and Public Works cesses. The rules upon the subject given below are published for general information.

2. Other public demands may be paid at the option of the payer by ordinary postal money-orders, provided that the particulars given in the

accompanying letters are sufficient for the department concerned.

By order of the Lieutenant-Governor of Bengal,

P. NGLAN,

Secretary to the Government of Bengal.

RULES RELATING TO REVENUE MONEY ORDERS.

These rules are divided into five parts :-

PART I .- Form of Revenue Money Order.

PART II .- I-sue of Revenue Money Orders.

PART III .- Payment of Revenue Money Orders.

Section A .- Payment from Disbursing Offices at the Head quarters of districts.

Section B.—Procedure to be followed in the Collectorate.

PART IV.—Treatment of Revenue Money Orders not accepted by the Collector.

PART V. - Disposal of Acknowledgements.

PART I.

THE FORM OF REVENUE MONEY ORDERS.

1. The Revenue Money Order form is divided into four parts, viz .-

(a) the Money Order,

(b) lower partion of Money Order or the Receipt,

(c) the Coupon or Challan,

- (d) the Acknowledgment.
- 2. Parts (a) and (b) require no description as they are exactly like the corresponding portions of the ordinary inland Money Order form. Parts (c) and (d) are considerably larger than the Coupon and Acknowledgement of an ordinary Money Order. Part (c) contains on one side all the particulars required by the Tressury and on the reverse instructions for remitters of Revenue Money Orders. Part (d) is on one side a duplicate of the Challan and is returned to the remitter as his receipt; on the reverse of this part are the remitter's name and address.

3. This form is to be used for remittances of land revenue, Road and Public Works Cess and zemindari dak cess, and for no other purpose.

4. The forms of Revenue Money Order should be freely distributed among the revenue-paying classes, and no restrictions whatever should be placed in the way of zemindars obtaining these forms.

5. Every Postmaster, Sub-Postmaster and Branch Postmaster will be personally responsible that a sufficient supply of Revenue Money Orders is always available in his office. In cases of emergency, supplies may be obtained by telegraph direct from the Stock Depôt of the Circle. Divisional Superintendents and Inspectors, when visiting Offices, will see that a sufficient supply of Revenue Money Order forms is available, and mention in their diaries and inspection reports that they have done so.

PART II.

Issue OF REVENUE MONEY ORDERS.

6. Revenue Money Orders are issued from every Head, Sub and Branch Post Office under the rules which govern the issue of ordinary Indian Money Orders. The following paragraphs contain additional instructions which relate solely to the issue of Revenue Money Orders.

The Rules in the Postal Guide fixing the limit of value of a single ordinary Inland Money Order and the limit of the aggregate value of the money orders issued in one day by the same remitter to the same payee apply to Revenue Money Orders. The rule prohibiting the inclusion of pies (fractions of an anna) in the amount of a Money Order is not applicable to Revenue Money Orders, which may be for amounts including any fraction of an anna

not less than one pie.

8. The Office of Issue will help the remitter in making the requisite entries, and, if necessary, will make entries for him in the form of a Revenue Money Order, but no fee or any other gratification whatsoever is to be demanded or accepted, either directly or indirectly, by any official of the Postal Department for this service. Disregard of this order will be punished by dismissal of the official in fault, who will, moreover, be liable to any

further penalties provided by law.

9. The Office of Issue is responsible that no Revenue Money Order is issued of which the Coupon (Challan) is blank or is not completely filled up. The Post Office has no means of ascertaining the correctness of the information supplied by a remitter; all that it is necessary to see is that entries are made against every printed item in the Coupon (Challan), and that the Money Order is not for a larger sum than is allowed by the rules for ordinary Inland Money Orders. The spaces in the Acknowledgment and challan for the entry of interest and expences (khuracha) are intended to meet the requirements of remitters, who are in arrears as regards the payment of their cesses and have incurred liabilities for interests, process fees, or other costs of proceedings.

10. The letter "R" should be written before the number of every Revenue Money

Order, and this mode of distinguishing Revenue Money Orders should be adopted wherever

the number is entered.

11. The number assigned to a Revenue Money Order by the Head Office or Sub-office of Issue will also be entered at the top of the Coupon (Challan) acknowledgement by the Money Order Clerk of the Head Office or the Sub-Postmaster of the Sub-office of Issue as the case may be.

12. On the 5th of every month Head and Sub-offices will prepare a return (Form R. M. O. of all Renenue Money Orders issued during the last month, and forward the same to the Disbursing Postmaster who will compile a General District Return and submit it to the Head of the circle not later than the 15th of the month following that to which it ralates. Branch Offices will not submit returns, as Revenue Money Orders issued from such offices will be included in the returns of the Account Offices to which they are attached. The district return submitted by the Disbursing Postmaster will be in Form R. M. O.

PART III.

PAYMENT OF REVENUE MONEY ORDERS.

Section A. - Procedure in the Disbursing Office.

13. When the Revenue Money Orders are in all respects ready to be handed over to the Postman, a list in duplicate (Form R. M. O.) should be made out by the Money Order Clerk, and the entries in the money column of the list should be carefully totalled. The date of stamp of the office of payment should be impressed in the space provided for it on the Coupon (Challan) of each Money Order.

14. The Money Orders, both copies of the list, and a slip receipt (Form R. M. o.) duly filled up, should then be made over to the Postman for delivery at the Collectorate, the Postman's receipt for the documents being taken in the usual manner in the Register of

Money Orders received.

15. The Postman will deliver all the documents mentioned in paragraph 14 to the treasury officer (or other responsible official authorized by the Collector, in writing, to receive Revenue Money Orders and whose name has been communicated by the Collector to the Postmaster) and will take back to the Post Office the slip receipt duly signed by the officer receiving the Money Orders. The slip receipt will be kept by the Money Order Clerk under lock and key.

16. When the original list, duly signed by the treasury officer or other authorized officer, is received back, along with the refused Money Orders (if any), the Postmaster will give in exchange for the list a treasury voucher (form AC-17) representing the value of the Money Orders accepted, as shown in the certificate at the foot of the list. The Money Order Clerk will report to the Postmaster if the original list (with any refused Money Orders) is not received back at latest on the day following that on which it was sent to the Collectorate.

17. The Postmaster should on no account give a treasury voucher, in payment of Revenue Money Orders, without receiving the original list with the certificate of acceptance written at

the foot thereof.

18. The Postmaster will be responsible always to have sufficient funds at his credit in the district treasury to meet Revenue Money Order demands, and it will be his duty, when giving a treasury voucher, to see that there are funds in the district treasury to meet it.

19. The original list and the slip receipt will be filed together by the Money Order Clerk. The refused Money Orders (if any) will be dealt with in accordance with the instruc-

tions laid down in Part IV of these rules.

20. On receipt of the Money Orders, together with the receipts and acknowledgments duly signed, the Money Order Clerk will examine and compare all the documents with the original list already in his possession, and with the duplicate presented to him along with these documents, and, if all are found correct, will sign the duplicate list and return it to the Collectorate official who brought back the documents to the Post Office.

21. The Money Order Clerk should be particularly careful to see that he receives from the Collectorate an acknowlegment for every Money Order accepted, and that every acknowledgment which he receives is in acknowledgment of the full amount of the Money

Order to which it apportains.

22. The Money Orders received back from the Collectorate, with their receipts, will be entered in the Journal of Money Orders paid, and be disposed of in the usual manner. The acknowledgments will be returned to the remitters in the manner described in Part V of these rules.

23. The amount of the treasury voucher will be entered in the Post Office and

Treasurer's cash day books and the cash account on the receipt side opposite the item " Drawn from District Treasury," and will be included in the sum entered on the disbursment side under the head "Amount of Money Orders paid." All these entries must be made on the same date. The amount will also appear in the Treasury account as money drawn from the District Treasury, and if the date of entry in the Treasury account differs from that of the entries mentioned above, the difference must be explained in the Treasury suspense account.

24. Before the duplicate list is finally returned to the Collectorate, the Money Order Clerk will cirefully compare it with the original, and see that they are exactly alike, any remark recorded in the one list (either in the Collectorate, or by the Money Order Clerk, or

the Postmaster) being copied in the other list.

25. It will be the duty of the Money Order Clerk to report to the Postmaster if the receipted Money Orders, with the acknowledgments and the duplicate list, are not returned to

him on the day on which the Treasury voncher was sent to the Collectorate.

26. The Money Order Cierk will report to the Postmaster every case in which the Coupon (Cuallan) of a Revenue Money Order received by him is blank or is imperfectly filled up. Whenever a Revenue Money Order is refused through any fault or omission on the part of the office of issue, the matter should be reported by the Postmaster to the Superintendent.

27. On the 5th of every month the Money Order clerk will prepare a return (Form E. M. O.) of all Revenue Money Orders received during the last month, and this return will be submitted by the Postmaster to the head of the circle along with the District Return

of Revenue Money Orders issued.

SECTION B .- Procedure to be followed in the Collectorate.

28. On receipt of the Money Orders, with other documents, in the Collectorate, the treasury officer, or other responsible official authorised as above (see rule 15) to receive Revenue Money Orders, will carefully compare the entries in the list with the Money Orders, and, when satisfied of their correctness, will sign the slip receipt and hand it over to the postman who has brought the documents to the Collectorate, retaining the other papers for subsequent

disposal. The next business to be done in the Collectorate will be the careful examination of the Money Orders to see that the necessary particulars of remittance are given in each case and that the Money Orders can be accepted. This examination should be made by the Towji Navises of the Land Revenue and Cess offices and by the Certificate Department if a certificate has issued on account of Road and Public Works Cess. If the amounts due on account of any cess, interest and expenses are wrongly distributed by the remitter in the Money Order, the Cess Department will correct the distribution. It is not necessary at this stage that the Money Orders should be sent to or examined by the Magistrate's office even when they contain remittances of zemindari dak cess. No Money Order should be refused provided that the remittance is one to which the system applies, and that the particulars required by the rules and form are given. The fact that the amount is remitted is less or more than is due is not a ground for refusal. If more than is due is remitted, the excess should be credited as a payment in advance; if less than is due is remitted, it should be treated as a payment on account. When a Money Order is refused, the ground of refusal must be endorsed on the Money Order.

30. The original list, together with the refused Money Orders (if any), must be returned to the Post Office, and a treasury voucher be obtained immediately on the certificate of acceptance being signed. The officer signing the certificate will be responsible that the check prescribed in paragraph 29 has been carried out, and that the original list, with the certificate duly endorsed, is returned to the Post Office on the day of receipt, or at latest on the follow-

ing day.

31. On receipt of the treasury voucher from the Post Office, the treasury officer will to the same day credit the amount thereof under the appropriate heads of account as remittances received by means of Money Orders from the persons concerned, and will charge the amount against the monthly letter of credit of the Postal Department as money paid to the Disbursing Postmaster.

32. After the amount of the treasury voucher has been credited and debited in the

Treasury accounts, the acknowledgments will be signed by the Accountant.

- 33. The Money Orders will then be signed by the Treasury officer or other officer authorised as above to receive them, and that odicer, after detaching the Coupons (Challans) from the Money Orders, will return the original orders, with the receipts, acknowledgments, and the duplicate list, to the Post Office and retain the Challans in the Collectorate. The Challans should then be sent to the Land Revenue, Road Cess and Zemindary Dâk offices in the order named so that the remittances may be entered in the departmental registers. The Challans should be initialled by a responsible officer of each department and then be returned to the Collectorate.
- 34. The original Money Orders, with their receipts and acknowledgments, must be returned by the Collectorate on the day on which the Treasury voucher is received. This period is on no account to be exceeded.
- 35. When the duplicate list, with the Postmaster's acknowledgment for the documents returned to him written thereon, is received back from the Post Office, it should be attached to the challans and filed in the Collectorate.

PART IV.

TREATMENT OF REVENUE MONEY ORDERS NOT ACCEPTED BY THE COLLECTORATS.

36. If the Collector or the officer to whom he delegates authority in this matter declines to acceipt a Money Order, because of the omission of necessary particulars in the Coupon (Challan) or other cause, the Money Order will be treated as refused and be disposed of in the usual manner.

PART V.

DISPOSAL OF ACKNOWLEDGMENTS.

37. The acknowledgments appertaining to Revenue Money Orders received from the Collectorate will be sorted separately for each Office of Issue and enclosed in envelopes (Form R.M.O.) addressed to the Postmasters of those offices; the numbers of the Money Oders to which the acknowledgments appertain being detailed on the back of the envelopes.

38. These envelopes will be entered in detail in a special memorandum book (Form $\frac{7}{R, M, O}$) and be despatched as letters registered on Postal Service. The total number of acknowledgments closed in each envelope will be the registered number assigned to that

envelope.

- 39. On arrival in the Office of Issue, the envelopes will be opened and the acknowledgments contained in each envelope compared with the entries on the back thereof. The acknowledgments will then be stamped with the Money Order Stamp and be sorted for distribution to Postmen. The numbers of all acknowledgments to be given to each Postman will be detailed separately in a special memorandum book (Form $\frac{8}{R_* M_* O_*}$) and the Postman's signature obtained against the entry. The acknowledgments will then be handed over to the Postmon. The envelopes will be retained for 12 months, sorted in daily and monthly bundles, and will be destroyed after the expiration of that period.
- 40. The Postmen will enter the acknowledgments in detail in their books and will obtain the remitter's signature or mark when delivering each acknowledgment.
- 41. Acknowledgments which cannot be delivered in consequence of the remitter not being found will be returned by the Postman to the Money Order Clerk, Sub-Postmaster or Branch Postmaster (as the case may be), who will sign for them in the Postman's Book.

42. Undelivered acknowledgments will be kept in the Office of Issue (if a Head Office)

for a period of 12 mouths, and, if still unclaimed, will be destroyed.

43. In Sub-offices and Branch Offices undelivered acknowledgments will be retained for a period of three months, and, it still unclaimed, will be forwarded to the Head Office under a Postal Service Registered cover. Such acknowledgments will be kept in the Head Office for a further period of nine months, and, if then still on hand, will be destroyed.

44. Postmasters, Sub-Postmasters, and Branch Postmasters of the Offices of issue will be responsible that acknowledgments are delivered to remitters of Revenue Money Orders without any unnecessary delay and free of charge. Enquiries as to the punctual and free delivery of acknowledgments should be made from time to time from zemindars who may call at the Post Office to have Revenue Money Orders issued.

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Date

ACCOUNTANTS NUMBERS.

ACCOUNTANT'S NUMBERS,

51 Revenue Money orders may be used for the remittance of Land Revenue, Bond, and Pubic Works Cesses, and Zemindari DAk Cess and for no other pupose.

१। अंदेरे त त्यार असर्व तरे त्यार ब्रायहेत्व नार हर्राक्ति प्रति वहीं शिक्षित शरेर ।

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61. If the remitter is in arrears as regards the payment of his cases he should remit the amount and expenses due from has and show them separately if possible from the actual cess. If his distribution of cess, interest and expenses is wrong it will be corrected in the Cess Office.

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Pay to the Payee named by the Remitter the sum specified on the reverse.

Signature of Paying Postmoster.

Received payment of the sum specified on the reverse.

188 .

Signature of Payer (in ink.)

GAZETTE, MARCH 21, 1888.

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Form R.M.O. Slip receipt for Revenue Money Orders sent from	Post Office to
Collectorate on	
No. of Money Orders	
Total amount (in words and figures)	
Sig. of the M. O. Clerk.	
Received Revenue Money Orders for Rs	with list
DATE	Signature of Treasury Officer
	Syndraio of Treasury Officer

Rainfall, Weather, and State and Prospects of the Orops.

Statement showing Rainfall, Weather, and State and Prospects of the crops in the different districts of Bengal, as reported to Government during the week ending the 17th March 1888.

	No.	District and date of return		Rainfall at Sudder Station in inches.	Character of the weather and state and prespects of the crops.
3E	NGA	I., Western Districts.			
(1	Burdwan Mar. 17, Culna Cutwa		Nil 1:13 0:75	Weather—seasonable. Prospects of crops good. There has been a general full in the price of rice. Common rice is now at about 24 seers per rupee.
DITS.	2	Rancegunge Bankeera ,, 17,		0·11 Nil	Weather - seasonable; occasionally cloudy. Wheat, mustard and mater are being gathered. Pressing of s.garcane still continues. Cotton, horo dhan and indigo are thriving. Prices stationary.
DURDWAN DIVE.		Beerbhoom , 17, Midnapur ,, 17,			Weather—cool. Rubbi crop 10 annas. Slight rain in some parts of the district. Rubbi fair and boro likely to be a
DCR	5	Hooghly ,, 17, Secumpur Jehanabad	'89 	Nil 0:55 0:37	Weather—normal. Prospects of crops favourable so far.
I	ļ	Howrah ,, 19, Oolooberia	'88 	0·57 0·55	Weather—seasonable. Sugarcane and rabbi crops are being cut. Boro crop is promising.
		Central Districts.			
	6	24-Perghs. Mar. 20	, '81	170	Weatler-het; storms with hail and rain; winds variable. The crops that are on the grout diare doing well. Ploughing is in progress.
1 V N .	7	Nuddea ,, 17. Kooshtea Meherpur		3:73 2:78	Weather - fair. Harvesting of cold-weather crops nearly completed. Prospects of ineigo in Sudder good.
FRESIDENCY INVA) H	Chrondunga Khoolna ,, 17	, 'st	7	Several thunder-showers successively have cooled the air and moistened the ground. Prospects of boro rice and cold-weather crops good. Mange crop has suffered from wind and rain.
LRESID	9	Jessore "17, Jhenidah Magoorah Narail Bongeng	*88	3·01 2·76 2·06	Weather rainy and stormy for a part of the week. There was a hail-storn in the Magura and Narail sub-divisions. In the Mohamedpote station the storm has cone slight damage to houses and trees. The rainfall of the week was considerable. It will be of great avail to the sowing of paday indigo and 61 The prospects of boro have also been bettered by it.
• (.0	Moorshedabad ,, 17 Kandi Jangipur Lalbagh		0·25 0·1	Weather-getting warmer. Rarvesting of rubbi crops has commenced.
•		Dinagepur Mar. 17 Thakurgaon	, '8'	0.66 0.14	Weather - cloudy and cool in the early part of the week; latterly seasonable. Rain has done considerable good to the cultivation of bladoi. Prospects of rubbi and other crops continue good. Price of rice stationary. Weather—seasonable. Rain has done considerable good to standing crops and
MAR.		Rajshahye "17, Nattore Ruegpur "17, Ku igram	1000	1.40	has facilitated preparation of lands for early sowings. Weather cool with storms and showers. Rain is very favourable for the sowings of aus and jute which are now in progress.
KAJEHAHYB DIVN.	(Bogra 17, Sheepur Nowkhila	'68	0·51 0·33	Mornings misty. Days cloudy and windy. Proughing for aus and jute going on. Prospects continue favourable.
Насти		Pubna " 17, Serajgungo Darjeeling " 17, Silliguri	***	1.40	Rain on three days. Storm and I 65 inches of rain at Sudder on 13th. Weather sensomble. Prospects of crops good. Weather—stormy until the last two days: now fine, but not yet settled. Land is being ploughed for early rice in the Terai. Prospects of crops everywhere favourable. Price of Indian-corn has increased considerable in the hills, owing to large demands made by the Commissariat Department for the Sikkim Field Force.
2000	17	Julpigoree ,, 17,	'88	3:35	Heavy showers on the 11th and 13th. Weather cloudy. Ploughing of rice lands in progress. Prospects continue good.
TOW.	18	Eastern Districts. Dacca. Mar. 17, Manickgunge Munshigunge	'88' 	5·32 2·06 4·76	Weather—cloudy and stormy throughout the week. Pulses and mustard are being gathered. Ploughing of land for jute and early rice going on, hat temporavily stopped in places by excessive rain. Some damage done to the
DACCA DIVISION.	19	Naraingunge Furreedpur ,, 17, Goalundo		6·09 5·80 3·92	standing crops; but on the whole prespects good. Stormy weather with heavy rain on the 11th, 12th, 13th and 14th. Temperature color. The rain has facilitated ploughing for jute and rice, but the
7	20 21	Madatipur Backergunge ,, 16, Mymensingh ,, 16, Jamalpur	'88'	0.0000000000000000000000000000000000000	cold weather crops now being harvested have suffered. Weather—seasonable. Prospect of crops good. Weather—cool. Rain all over the district or spects of crops good. Ploughing has commenced. The recent rain has done much good.
eri eli		Kishoregunge Attia Netrokona		1 53 0·55 4·09	37
	•* , 3	Chittagang Mar. 20, Noakholly ,, 16, Fenny	'88' '88'	0·60 2·56 3·71	Weather—sessonable. Winter crops nearly harvested. Prices steady Weather—cloudy and rainy. Some of the rubbi cr. ps are being harvested; outsurn good. Weather—rather wet. Rain has enabled preparation of lands. Standing
		Tipperah "15. Chandpur Chittagong Hili "13. Tracts.		4.50	crops give promise of good outtuen. Weather—variable; alternating between rain, cloud and storm. Rain has returded jum cutting to some extent. Tobacco and other crops on the
		Eill Tipperah 15	'88	8.80	ground doing well. Weather-stormy. Prespects of boro paddy and chillies fair.

	No.	District as		of	Rainfall at Stadder Station in inches.	The same of the same of the same person and pro-pro-
B	EHAI	B.	-			
	, 26	Patna	Mar. 1	7, '8	8 Nil	Weather seasonable. Harvesting of rubbi crops proceeding. Gathering of
	27	Gyn	,, 1	7, '8	8 0.08	opium going on. Prices of food-grains almost stationary. Weather—seasonable. Rubbi being harvested Opium extraction nearly
V.W.	28	Shahabad	" 1	7, '8	8 Nil	finished in some places. Sugarcane being planted. Weather—getting hot gradually; west wind prevails. Harvesting of rubbi crops is almost over. Opium collection is in progress with excellent out
PATHA DIVE.	29	Durbhunga	" 1	7, '8	8 1.05	Weather—getting warm. Harvesting of rubbi in progress. Rain has don good to moong and paddy sowings. It has done some injury to many blossoms and to indigo lately sown Collection of opinus nearly over Price of common rice averages 21 seers per rupee.
ď	30	Mozufferpur Hajipur Sitamarhi	,, 1	7, '8	0.3	Weather—overcast and cloudy in the beginning of the week; a storm with slight rain on 12th, since which it has been clear and cool. Harvesting of rubb
	31	The second second second second		7, '8	8 0.28	Weatherseasonable. Rubbi being harvested; outturn favourable. Collection of opium in full progress; weighment will shortly commence. Indige sowings going on.
	32			7. '8		Weather-warm; mornings cool. Harvesting of rubbi commenced. Extraction of opinm in full operation. Indigo sowings begun Prospects of al standing crops good.
	33	Mongbyr	Mar. 1			Weather—seasonable; westerly wind prevailing. Rubbi harvest going on Collection of opium nearly finished. Mango trees are abundantly in blossom.
	34	Hangulour Madelipura		7, '8	Nil 1.21	Too much east wind to be sessonable. Rain in the north will help preparation of lands, but that and the east wind have damaged mango blossoms. Rabb
r.	١.	Supool	1	, ' ₈ .	0.83	harvest in progress; outturn poor. Weather—clear and cooler. Tobseco harvested. Wheat doing well.
5	. 3	Kishengung			0.65	Totale of the total of the tota
DHAGULFORB DIVE.	3	Arrareah Maloan Chanchal Shibgunge Gazol	,, 17	· '85 	11	Weather-cloudy and foggy in the beginning of the week; but latterly warn with strong west wind. Reaping of rubbi crops has begun with good outturn, except in thank Ratha and outpost Tulsihatta, where some damage was done for want of rain. Slight slowers of the week have done no material good to standing crops, but have caused much damage to mange blossoms. Transplantation of boro paddy still going on. Sowing of bhadoi paddy has begun. Common rice selling at an average of 23 secret
	37	Sonthal Perghs. Deoghur Pakour	. ,, 17	, '88	Nil 0 58 0 16	per rupec. Weatherstormy with min; west winds setting in. Mohua and mango crops look good, but slightly damaged by storms.
R	ISSA	•				
	86	Cuttack	Mar. 10	, '85	Nil	Weather -fair. Threshing of sarud rice going on in some places and completed in others. Dalua rice is flowering and partly ripening. Wheat is being gathered. Price of rice stationary. Cattle-disease has appeared in
	85	Poorce	,, 15,	'88	Nil	weather-seasonable Land is being ploughed. Dalua crop is being harvested. Rubbi is being gathered. Mango crop suffering for want of min. Common rice 23 seers 15 chittacks per rupee in the Sudder sub-division and
Į	40	Balasore	,, 16.	'84	Nil	24 seets in the Khoorda sub-division Weather—getting warmer with strong south wind. Few crops on the ground; such as there are promise well. Dalua rice in ear.
H(NAGPORE.				
	South	h-West Frontier	Agency.			
1	41	Huzaridayh,	Mar. 16,	*8	Nil	Weather—seasonable; rather cooler than last week. Sugarcane is being planted. Prospects of mango and mohua good so far. Poppy is still being collected; yield good. Condition of agricultural stock good.
1	42	Lonurdugga	" 17,	'84	Nil	Weather-getting hot. Rubbi being harvested. Prices steady. Cattle- disease reported.
1	43	Singhnoom	" 16,	'88	Nil :	Slight rain during the week; weather getting very warm. Rubbi being harvested. Cotton doing well. Sugarcane being planted. Prices slightly
	44	Manutoon. Govindpur	" 17,	'83 	Nil 0:35	higher than at this time last year. Weather—getting rapidly hotter with clouds and high wind. Prospects of spring crops good. Mohua is doing well, though it has been damaged slightly by wind in Govindpur.

Published for general information.

CALCUTTA, REVENUE DEPT.; The 20th March 1888. P. Nolan, Secy. to the Govt. of Bengal. The following Statement shows the Quantities of the Principal Stanles of Traffic imported into Calcutta from the Interior during the month of December 1887.

IMPORIS INTO CALCUTTA.

			FOO	D-GRAIN	s.		,,	Fibrous	PRODUCTS.	Ones	KEDS.				80	GAR.	Ton	4000.
Thence imported.	Rice Rice.	AND PA	Total (in rice).	Wheat.	Gram nod pulses.	Other food-grains,	Total.	Jute, raw.	Gunny. bags.†	Linseed.	Mustard.	Ten. Indian.	Cotton, raw.	Silk, raw.	Drained	Un- drained.	Bis path.	Oth
		W. 1.			Mds.	Mds.	Mds.	Mds.	No.	Mds.	Mds.	Mats.	Mils.	16.0	1 112.	1	1 44-	1
BENGAL.	Mds. 1,48,851	Mds. 3,173	Mds. 1,50,834	Mds. 2,513	5,023	427	1,54,827	889	19,740	3,672		372	Mus.	Mrds.	Mds. 70	Mds.	Mds.	H
erbhoom	1,89,374		1,89,374	•••••	167		2,91 169	1,129	S,960 400	5,553				173 424				
idnapore	2,88,068 1,03,210	9,975 2,845	2,94,302 1,04,988	4,120	3,366	737	1.13,211	61,250	496,683	19,055	8,052		101		681	3,341	1 :::	1
Pergunualis	4,29,675	32,171	4,49,784	88	297		4,50,163	1,11,183	781,849	39	716		1,715	10.00	8,147	46,489		5,8
uddea	12,009 29,418	7,235	12,018	18,001	1,56,955	4,111	31,800	23,083 27,481	3,130	15,859	7.00		2.27	126	125	1,163		6,8 5,3 1,7
hulna	73,670	9,900	79,758		15,903	0000000	166,661	46 445	700	4.3	****	****	12	215	80	6,418		1.7
oorshedabad	6,201		29,896 6,201	12,606	25,0.63	2,696	70,201 6,959	1,727 59,001	200 106,315	4,934	1,769	101100			174	1		
nagepore				377	23,735	132	21,211	35, 177	185,815	2,210	*****		• 13	3	2			1
nugpore	4	*****	- 4	******		******	76,207	1,93,050	417,520	******	104 19				70000		465	18,0
-gra	76,207 847		76,207	******	31,910		32,257	4,50,116			1,217		210	2017	10.0	*****	***	""
ubna								71,103				5,330			******			ney
ulpigoree	715		715		13,141		15,856	3,17,455	852,600	***		01	1,820		19 11			
urreedpore	41,978	775	42,462		74,026		1,17,388	2,13,808	Same.	2,960		122	161	301	***		***	*****
ekergunge	2,72,638	1,525	2,75,591		5,786 2,519		2,79,377 2,519	1,450		112		******						
ymensingh	10,425		10,425		2,010		10,125	300			*****	A40000	100.00	*** **	******			1114
hittsgong	1,375	*****	1,375		meters.		1,375	0.00		******		1,296	2,000	201.75				5000
oakholiy	18,135	150	18,220		850		19,679	6,538		***			870			******		45.05
Total of Bengal	17,32,006	67,767	17,74,150	37,733	3,62,949	8,1m;	21,53,240	18,07,500	2,914,302	62,043	11,781	18,264	7,970	1,430	9,2.4	72,960	496	35,4
BEHAR.	1,039		1,039	30,807	52,011	3,145	67,002	3,555	875	2,59,183	3,191			2		2,041		8,89
'n				5,490	1	891	5,490 7,213		245	12,836	*****	1		THE .		1,451		
hiha'na	******			2,050	1,856	239	3,341		735 165	6,931	518					6,714		
lezusterpore				6,55	1,30%	510	7 951	871	490	96, 127	11,193	214				24		2 01
scun				2,476 1,221	1,424	116	4,216 1, 20	438	1,000	51.027								
humparun				42,211	9.755	31	52,031	202	2,135	9,760	4,759		100.00			541		
hagulpore	19		49	49,199	12,028 6,552	7,959	69,235	3,853	215 670	26,111 6,627	10,503 8,113	203	1				100	
arneah	1,488		1,488	4, 59 8,101	6,571	11	14,860	13,479	14,450	1,940	585	200						585 19
nahs.	23	29630	23	27,184	9,346		34,553		1,470	8,618	1,968		* ***	20				
Total of Behar	2,776		2,776	1,81,011	81,921	13,039	2,51,7.0	22,438	22,120	5,12,877	41,163	435	9	30		10,678		6,85
ORISSA.			•					299			,,,,,,,				İ			. 5
Cuttack	42,171		42,171	1,475			43,616	- 8,710	850									26
tal of Orissa	42,117		42,171	1,475			45,646	9,000	850									281
CHOTA NAGPORE.							9011									5 8564		
Hazaribagh					8,643	ins	3,012		735 245			602	3000	94.77		16		*****
fotal of Chota Nagpore.					3,943		3,043		980			532	20000			16		
Grand Total of													-				-	
supplies from the Provinces under the Licutement- Governor of Ben- gal.	17,76,043	67,767	18,19,897	2,20,221	4,50,916	21,145	25,11,679	19,38,977	2,938,552	5,67,920	53,:47	19,253	7,959	1,460	9,251	83,654	456	49,150
OTHER PROVINCES.	2,500	*****	2,500	74	976	42	8,593	13,353		STEEDER S	2,322	78,661	41	52				******
for h-Western Pro-			21000	-	brussel		44,671	3222000	200				/ 12/20/20/20/20	1200		0.000		17
Tvinces and Oudb.	2 7		2 7	2,243	35,941 15,743	6,485	15,764	******	1,995	1,81,465	23,507 8,546	636	6,154	11	996	416	1	
Panjab Central Provinces	′			6,930	10,740		6,932			3,141	207	1 11	9.					***
Rajputara States	•				A	8	3			3,300			2,1		8			1
Nizam's Territory Bombay		******	******			50	50	*****	4.4	24.4344			13,410	*****	2	*****		1
Madras			44.00		15,646	100.00	15,646 5,428		5,100	574		*****	572		11,972	4,684		280
Other places	5,428		5,428	*****	3	s	11		******						20,379		::	- 4
					-	07747		12 59 990				10 00	151.010	1,526	45,611	88 254	-	40 04
of Imports 1887	17,84,980	67,767	18,27,334	2,29,468	5,19,227	27,747	26,03,776	10,02,330	2,915,617	7,56,500	87,479	99,902		- 20	1000	88,754	468	42,960
	12,83,631	65,778	13,24,742	7,48,008	3,17,826	29,533	24,20,100	16,05,076	2,395,725	2,73,731	1,23,439	1,14,116	1,05,021	2,405	47,013	95,749	808	28,489

The Sea-borne Trade of Calcutta in these Staples during the month of December 1887 was as follows:-

		-															-	
CALCUTTA-				8														1
lo Indian ports,	5,45,785	80	5,45,784		35,638	6,129	5,87,541	253	2,216,150			1,073		******	1,458			
Bombay	8,893 310		8,80 3 310	,,	9,251	 108	3,893 9,669		451,600			- 13		15,606	39			
Other ports in Madras Burmah Other Indian	2,03,689 6,888		2,03,689 6,388		7,067 25,973	4,897	2,10,756 87,268	407	155,900 13,76,770	····		37	" II	1,362	404	152	:::	16,711
Other Indian Ports Pondicherry	1	2,762	1,727		1,452 230		3,179 230	8,994	6,74,254			1	5	550 	2,661	120	Ξ.	1,811
tial of linter- local trade	7,69,918	2,792	7,61,701		79,631	11,134	8,52,526	9,634	4,773,674			1,123	16	17,518	4,659	27.2		17,28
Paring paring Palter Rosses Other Parings	87,515 4,91,810	a,166	87,078 4,94,510	08,187 1,388	2,00,881 14,750	8,846	3,90,698 5,14,129	12,90,776	7,000 8,297,221	and the same		1,33,678	6,642 36,317	6,405 5,883	264			1,958
	6,75,664			04:400	2,34,661	8,645		24,61,968	8,304,224			1,36,712	42,950	12,348	264		-	0,361
				***		10,680	17,57,348 36,41,867	24,01,003	18,077,888 8,474,460	1.00	58,580	1,37,835	1,22,139	29,546	4,916 8,996	272	-	16,000

The following Statement shows the several Routes followed by the Trade in the Principal Staples of Traffic imported into Calcutta during the month of December 1887.

IMPORTS INTO CALCUTTA.

4	1	Fo	OD-GRAIN	8.		Fibrous	PRODUCTS,	Ottsi	REDS.				80	JAE.	Tot	BACCO.
ROUTES.	Rice.	Puddy,	Wheat.	Gram and puises.	Other food- grains.	Jute,	Gunny- bags,	Linseed.	Mustard seed.	Tea. Indinu.	Cotton, raw.	Sitk, raw.	Dtain- ed,	Un- drained.	Bis.	Other kinds,
	M.ds.	Mds.	Mds.	Mds.	Mds.	Mds.	No.	Mds.	Mds.	M:ls.	Mds.	Mds.	Mds,	Mds.	Mds.	Mds.
By country boats ,, river steamers (East Indian	12,22,740 17,772 3,08,876	61,632	82,630 330 1,11,232	2,36,662 1,693 1,46,770	15,681 12,637	6,20,913 3,03,188	1,319,638	68,711 1,105 6,73,803	36,826 2,372 47,653	63,292 3,319	4,635 102 1,61,197	231 251 528	3,153 70 21 6	35,007 11 11,121		12,600 272 3,192
,, rail } tailway. Eastern Bengal	1,19,177	20	713	1,58,917	21	7,41,529	1,544,375	12,168	728	28,305	1,961	510		1,643	460	19,639
, road	75,550 40,856	5,574		136 15,649	<u>-</u> 8	85,021 5,351	31.101 5,950	39 574		1,296	811 15 510		6,821 85,351	36,282 4,494	:::	5,790 7,598
Imports in December 1886	17,81,980	67,767 65,775	2,29,168 7,18,968	5,19,227 3,17,826	27,747	1	2,015,617	7,56,400 2,73,731	87,179 1,23,438	90,902 1,14,446	1,84,040 3,05,024	1,533 2,405	45,611 47,013	88,754 95,749	486 1908	

The following Statement shows the Values, Quantities, and Numbers of the Principal Staples of Traffic exported Inland from Calculta during the month of December 1887.

EXPORTS FROM CALCUTTA.

		Cotton piece	e goods.	Cotton t	wist.	l l			Cotton pie	ce-goods	Cotton	twist.		
Whither export	ted.	Europenn.	Indian,	Europeaa.	Indian	Salt.	Gunny. Imgs.	Whither exported,	Euro- pean	Indian.	Euro- pean.	Indian.	Sult,	Gunny-bag
	1	Rs.	Rs.	Mds.	Mds.	Mds.	No.	CHOTA NAGPORE.	Rs,	Rs.	Mds.	Mds.	Mds.	No.
BENGAL.								Hazareebagh Manbhoom	56,387 14,122		2 53	2,170	6,296 7,554	2,100 1,330
Burdwan		2,83,948 1,78,101	1,540	623 156	1,526	31,956 15,042	101,457 194,880	Total of Chota Nagpore	1,50,507	2,610	55	1,281	13,850	3,480
Beerbhoom Bidnapore		2,16,506	:00	3,151	1000	17,215	15.7.0	Total of Chota Nakpelo	7,00,00	2,000	110	-,-01	10,500	3,759
looghly	***	1,15,798	2 4-6	190	180	1,831	95,849	Grand total of supplies into;						
4- Pergunnahs		1,74,308	7.500	Seil	- 1	10,808	15,378	the Provinces under the	40 A0 F 40	0.011	2.000			
Indden	200	2,81,178		2.252		18,735	5,673	Licatement-Governor of	60,90,548	35,511	15,902	11,260	5,56,357	1,976,832
hulna	***	61,928		195		4,325	5,220	Bengal)		1			F	
essore		1,20,736		680	1144	15,682	2,540							
loorshedabad	400	67,876	1	118	11	7.125	21,777	OTHER PROVINCES.					1 11	
imagepore		1, (3,51)		31	Se 10. 1	10 315	8,5 5	Assam	3,12,495		145	7	38,480	3,060
kajshahye	400	2,73,600		44	14.16	9,634	31,895	North-Western Provinces	0.000000000	B-10000			1,018-01040	
lungpore	0.00	3,28,705	*** ***	57	8	10,073	511.2	and Orah	24,12,018		5,226	1,052	24,121	524 120
Boxta	**	1,55,657		, ā	100.000	a,6 1	55,160	Punjah	7,51,716	4,290	1,162	15		475,125
Pubna		2,05,149		26	5	30,146	300	Central Provinces	58,023		133	7.		917,845
Dargeeling	100	51,8E)	1 10/00	19	4	1.771	*****	Rujputana States	41,226	220	110			34,755
Julpigorce		1,72,468		30		9,623		Nepal		200.00			267	
Daces	914	4,87,872		1,647	478	28,175	6,720	Boarbay	2,356	770			******	2,216,160
currectpore	1985	3,52,514		1,557	******	13,0.3	11 515	Madras	96,879		1,215	85		607,500
Backergunge		1,18,593	1 100	39	1000	19,900	1,000	Pondicherry	1,131			******	******	
Lymensingh	***	1,02,375		21		8,350	127.5	Burmah	4,18,905		1,297	1,679		1,375,770
Pipperah	**			99.9		6,750	251,650	Sand	189		******		******	4.414
hittugong	*10	42,110	500	201		*****	******	Othe places	12,000	1,246	15	2,290	F100	5,304,224
Noakhol y	4)4	5,230	1		255.0	4.400	*	() 1 (0 + 1 + 1 + 2						
m + 1 of Unnt	rol i	39,19,110	1 14 8-1	11,624	2 4.00	4 70 Bbs			1.11,00,489	56, 177	25,505	16,450	6,50,133	15,618,701
Total of Beng	Sar	3.7,10,110	12,851	11,024	3,206	2,79,938	8,7 -,606	December 1886	1 12 00 000	81,407	28,434	10000	0.11.094	8,529,711
	- 1							December 7 1830	1,16,29,208	81,111	20, 101	11,007	9.14,873	0,020,711
BEHAR.								The Sea-borne Trade of 1887 was as follows:-	Calcutta is	s these St	aples d	uring th	e month	of Decemb
Patna	700	2,53,008	1,320	186	521	75,324	302,720							-
Sys		1,16,109	1,13	87	917	10,511	23 115		1 35 7	1 . 1				
hahahad		2.25,627	9,570	52	568	15,434	48,0,2	la	Rs.	Rs.	Mds.	Mds	Mds.	No.
Hozufferpore		1,74,825	230		44	8,207	14,010	IMPORTED INTO CALCUTTA-	1					74
parbhunga		4,19,895		17	812	33,7N5	89,995	T.					,,,,	
arun		2,99,787	1 22	3	81	4,653	16,910	From Foreign Ports-			100000			
	300	3,54,438	1,549	25	125	20,513	38,955	United Kinzdom	91,43,94		16,078		6.30,040	*****
humparun		1,32,615	3,190	11	4.57	11,489	42.745	Other Foreign ports 🐞	1,17,06		408			*****
		2,82,681	1,320	71	200	17,013	93, 165		04 01 00		10.000		4 00 0 10	
Mone byr	***	wat the	i iii	14	801	11,480	18,0 5	Total of Foreign Trade	92,61,000		16,496		6,30,040	
Monshyr Bhago pore		2,01,120				17,171	1,475				~			
longhyr Bhago pore Taidab		200		Contract of			77,315	From Indian Ports-	24,150	79,065	29	0,489	44,423	******
Monsbyr Bhugo pore Purneah Maldub			1,320	i6.	738	53,205	11,	Hombay						
Monebyr Bhago pore Parceah Maldab Sonthai Pergun	nulis	2,61,576			738			Bombay Madras	1,200		-	633		******
donsbyr Shugo pore Surneah Unidub	nulis	200	1,320 20,020	16.		2,19,671	77 6,712	Madras		9,005				5,100
Monshyr Shagospore Sarueah Maldab Jonthui Perguni	nulis	2,61,576			738			Madras Other ports in Madras	1,200	9,005	·····	633		5,100
Monshyr Shagospore Sarueah Maldab Jonthui Perguni	nulis	2,61,576			738			Madras Other ports in Madras Burmah	1,200	9,005	******	622		5,100
Monebyr Bhago-pore Particah Maldab Sonthai Perguni	nulis	2,61,576			738			Madras Other ports in Madras Burmah Other Indian ports	1,200 5,600 7,790 230	9,005		631		5,100
Monshyr Bhaga pore Paraeath Maidab Sonthai Perguni Total of Behi Orissa.	nulis	2,61,576			738		77 4.712	Madras Other ports in Madras Burmah	1,200 5,600 7,790	9,005		633		5,100
Monshyr Bhago, poro Parmeah Maidah Sonthai Perguni Total of Behi Orissa. Cuttack	nuh-	2:0 2,61,676 27,27,881	20,020	600	738 5,2×1	2,49,671	771,712	Madras Other ports in Madras Buemah Other Indian ports Total of Interportal Trado	1,200 5,000 7,790 230 38,970	9,005	29	10,111	44,428	5,100 880 5,950
	nuh-	2,61,576	20,020	GCO	738	2,19,671	77 4.712	Madras Other ports in Madras Burmah Other Indian ports Total of Interportal Trado Grand Total of Im-5 1887	38,970 02,99,976	9,005	29	10,111	44,423	5,100 880 5,950 5,950
Ionshyr Shago pore 'arneah Inidab Onthal Perguni Total of Behi Orissa.	nuh	2:0 2,61,676 27,27,881	20,020	600	738 5,2×1	2,49,671	771,712	Madras Other ports in Madras Buemah Other Indian ports Total of Interportal Trado	1,200 5,000 7,790 230 38,970	9,005	29	10,111	44,428	5,100

The following Statement shows the several Routes followed by the Trade in the Principal Staples of Traffic exported from Calcutta during the month of December 1887.

SPECIFICATION OF ROUTES.	COTTON PIE	CR-Goods.	COTTON	Wist.	Salt.	Gunny-bars.
,	Вогереви.	Indian.	European.	Indian.	Sait.	Gunnyspass
By country heats . river shearners . rail fast Institut Redway . rail Eastern Sengat State Sallway . road	Rs. 2,02,306 5,51,883 66,22,182 27,27,333 2,01,851 7,64,444	2,090 2,090 43,120 8,801 2,486	Mds. 3,487 1,129 8,545 5,666 691 6,291	Mds. 463 11,270 89 146 4,541	Mds 2,58,417 18,195 3,16,610 47,249 8,585 7,978	No. 275,165 42,908 9,147,215 290,148 4,047,000
Grand Total of Exports in December { 1887	1,11,00,489	64,477 81,407	25,505 28,434	16,469 14,557	8,50,188 2,14,788	455

The 16th March 1886.

PRICES-CURRENT (RETAIL) OF FOOD-GRAINS, FIREWOOD AND SALT IN THE HEAD-QUARTER STATION BAZARS OF THE DISTRICTS OF BENGAL DURING THE FORTNIGHT ENDING THE 15TH MARCH 1888.

PRICES-CURRENT (retail) of Food-grains, Firewood and Salt in the

-=	Transfer the angles of the contract of the con	Ī	, T. T.		MT.							-					4					Q	UΛ	NT	ITII	s Pei	RUP	EE IN
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Num!ker.	DISTRIC IS		Freecat return.		Next preseding	rotura.	Corresponding return	of test year.	Present return.		Next preceding		or spending return		Present refurm	Next preceding	ru.	Corresponding return	of last year.		Peacht Tethin.	Next prece ling	return.		of last year.	Present scturn.	Next proceding return.	Corresponding retorn of lust year.
-	BENGAL.				- 1					-			e e	-												* 1114 ** 1	-	
,	estern 2		S.	Ch	s	Ch	s.	Ch.	s.	Ch.	s. c	h	5. Ch	١٠.	. ъ	8	Сь	٧.	Ch.	s.	Ch.	S.	C'n.	٠.	Ch.	s Ch.	S Ch.	S. Ch.
1	Bordwan		13	;	13	4	12	0		1	No s	de.		19	s	19	2	19	S	21	6	24	0	26	4			
2	Bankoors		14	8	13	12	16	0	19	0	19	0 5	2 . 0	19	8	19	8	19	4	20	7.	20	6	.1	12			
В	Peerbhoom		13	8	13	8	16	s						15	12	15	12	18	n	21	0	21	0	21	0			
4	Midnapore		15	()	15	0	16	0						22	0	22	0	10	0	25	0	24	0	26	0			
6	Hooghly	•	14	0	14	0	11	В						10	0	10	0	10	U	17	0	17	n	18	U		••	**
	Howrab			No	t a	yajl.	ıble.			. !		ì		11	0	11	0	13	5	20	0	20	0	16	8			
(Central Distric	ts.																										
	Calcutta		13	3	13	7	14	0	20	13	22 1	0	21 9	10	15	10	ρ	9	6	17	8	16	10.	19	4	18 0	16 3	21 0
e	24-Pergannal	٠	16	U	16	0	1.3	1 5	22	8	22	8	21 4	8	0	8	0	8	0	20	0	20	0	18	13			
7	Nuddea		16	0	16	6	15	O	32	0	32	0	32 O	11	8	14	8	16	0	19	0	18	ō	19	0			
8	Khoolns	٠		••										2	U	21	o	18	0	23	0	23	0	21	0			
9	Јевноге		13	4	13	4	13	8	١.			į	•••	16	0	17	U	16									,	
10	Moorahedaba	d	15		1			U				1	•••	1		1		16	-	23		F."		1	-			
11	Dinagepore	41	15	0	11	0	11	12	30	0	21	t)	22 0	20	0	20	0	21	O	21	12	23	0	26	0	•••	100	•••
	Rajshabye	••		8					46	0	45	0	45 0	İ					4					22				 •
13	Rungpore	•••	11	6	11	в	12	12						13	4	13	4	18	0	2)	0	20	0	22	8			
14	Bogra		15	0	15	0	17	4		•1	•			15	0	15	0	16	8	26	4	26	4	20	4			
16	Pabna		16	U	17	0	18	0					•••	8	Ú	8	0	8	0	22	8	24	12	24	0			
16	1)arjeeling					0							10 0				0		U					14				
17	Julpigoree	•••	12	0	13	0	10	U	29	Û	50	0	20 0	1.1	0	13	O	14	0	20	0	20	U	25	0			
K	lastern Distric	ts.																									140	
19	100		14										26 0														•••	-
19	Varreodpore		17	0	18	O	16	O	40	U	40	0	25 O	15	U	16	0	18	0	21	0	21	O	22	U			-
20	Suckergunge.	• • • • • • • • • • • • • • • • • • • •									•••	Ì	32903		•••						•••		••					-
21	Mymensinsh		13	12	14	0	10	8			•••		•••	12	0	12	8	13	4	18	0	18	8	16	U			

A In sub-divisions retail prices of salt per rupes were:—Cuina 10½ seers, Ransegunge 10 seers.

At this upone estal price of salt 10 seers per rupes.

At Ranspore Hant retail price of salt 11½ seers per rupes.

C At Ranspore Hant retail prices of salt per rupes.

D In sub-divisions retail prices of salt per rupes were:—Ghattal 10½ seers, Tamlook 8 seers and Contai 9 seers.

Et In sub-divisions retail prices of salt per rupes were:—Baraset and Bussirhat 9 seers, Diamond Ranbour (Kalpihat) 5 see Baraset and Bussirhat 9 seers, Diamond Ranbour (Kalpihat) 5 see Baraset divisions retail prices of salt per rupes were:—Kooshtea and Ransghat 10 seers, Meherpore and Characters 151 see G In sub-divisions retail prices of salt per rupes were:—Satkhira 9 seers 21 cuitteets and Basiriat 9 sees.

SEERS OF 80 POLARS.

BAJE (Pone	A OR C isetum ideum.)	UMBU. typko-	MAR (Elous	ine Cor	RAGI. ocana.
Present feturo.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return

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Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Nert preceding return.	Corresponding return of last year.

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		١.	••		••	23	0	23	0	26	0
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The state of the s

Head-quarter station Bazars of the Districts of Bengal on the 15th March 1888.

				1									ESALE I MAUND SEERS,	OF 40	
	MAIZE	N OR	ARH C.	AE OR T ADJAN I mus inc	EA	r	IREWO	r().		SALT.	*		SALP.		
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Kastern Districts.

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H. In sub-divisions retail prices of salt per rupes were:—Jhenidah and Magura 9 seers. Narail 75 soors, and Bongong 25 seers.

I a sub-divisions retail prices of salt per rupes were:—Kandi and Lalbagh 11 seers, and Jungipore 105 seers.

K in sub-divisions retail prices of salt per rupe were:—Nattore 85 seers and Nawgong 9 seers.

L in sub-divisions retail prices of salt per rupe were:—Gaibanda 7 seers, Nalphamari 8 seers.

At Sersigunge retail price of salt 10 seers per rupes.

At Fallacotta in Aligore sub-division retail prices of salt 8 seers per rupes.

In sub-divisions retail prices of salt per rupes were:—Manickgunge 8 seers, Moonsbeegunge 85 seers, and Naraingunge 8 seers.

P in sub-divisions retail prices of salt per rupes were:—Kanickgunge 8 seers, Moonsbeegunge 85 seers, Attea and Sherpore 10 seers, and Nattokons 165 seers.

PRICES-CURBENT (retail) of Food-grains, Firewood and Salt in the Head-quarter

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lern D	istricts—	cone	ludod	l.																									
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Man	bhoom		12	_	1	0	16	0	32				1						18						29			1	1

Q At Cox's Bazer retail price of salt 8 seers per rupee.

At Nowadah retail price of salt 8 seers per rupee.

In Buxer, Seesseem and Busbuah sub-divisions retail price of salt 10 seers per rupee.

In sub-divisions retail prices of salt per rupee were:—Madhubani 11 seers, and Tajpore 9 seers.

U In sub-divisions retail prices of salt per rupee were:—Hajipore 9 seers and Sectamurhee 9 seers.

V At Bettiah retail price of salt 9 seers per rupee.

SEERS OF 80 TOLAHS

(Ponn		typho-		UA OR	
Present return.	Next preceding return.	Corresponding return of last year,	Present retura.	Next preceding return.	Corresponding return of last y ar.

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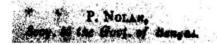
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Station Bazars of the Districts of Bengal on the 15th March 1888-(concluded.)

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•							je L					PER	ESALE P MAUNIC SEERS.	RICES OF 40	
	MAIZE Zea May		C'AI	AR OR TOJAN I'mus inc	EA.	1	Firewoo	op.		Salt.			SALT.		
Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next proceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	DISTRICTS.
									Y						ricts—concluded.
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- 7		•••	18 6	19 11		80	0 80	0 80	6 10 0	9 12	14 0	3 14 0	400	2 12 0	Cuttack.
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20	019 8	.6 0	20 0 (big arhar.		20 0	320	0 320	0 320	0 8 0 Z2	7 0	10 0	4 6 6			Hazaribagh.
	4 0	24 U	18 0	99 U	20 0	140	U 145	0 180		9 1	10 0	4 1 0	4 6 0	3 12 0	Lohardugga.
			19 0	80 0	24 0	24	0 240	0320	8 0 Z3	8 0	9 0			4 0 i	Singbhoom.
100	89 U	40 0	81 0	22 0	22 0	240	0 240	0 240	0 9 2	9 2	10 10	4 4 0	3 8 0	3 6 0	Manbhoom.
	V In au	b-divisi	ops reti	il price	s of sal	t per	rupee we	re :—B	guserai	84 seers	and Ja	mui 0 sees	M		0

W. In sub-divisions retail prices of salt per rupee were:—Beguserai 84 seers and Jamui 9 seers.

The habitations retail prices of salt per rupee were:—Kishengunge 10 seers and Hancegunge 82 seers



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PRICES-CURRENT (wholesale) of Food-grains, Firewood, and Salt in the

					Wп	EλT	ė.						1	IARI	.EY						j	ltick	, BE	ST S	ORT	,					Ri	CE,	MOU	MON	1.		
Number.	MARTS.		Present return.			Next preceding return.			Corresponding return	100000000000000000000000000000000000000		Present return.			Next preceding return.		Commendation return	of last year.			Present return			Next preceding return.		Commononding return	of last year.			Present return.			Next preceding return.			Corresponding return	Of last year.
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2	Serajungo	2	0	0	2	2	0	2	tı	0										3	8	v	3	в	0	3	14	0	ı	14	o	1	14	0	1	11	15 1
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5	Chittagong	3	8	o	3	8	U	2	6	•1		•••								2	13	0	2	12	0	3	O	U	1	15	U	1	14	ú	2	5	
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7	Balasore	2	4	0	2	8	()	2	8	0	3	0	U	3	U	0	3	O	0	2	12	U	2	6	U	3	0	O	1	8	U	1	7	0	1	8	1
8	Pooree					•												•											1	8	0	1	8	0	1	6)
9	Cuttack	2	10	0	2	5	0	3	0	0			1							8	10	0	.3	10	U	3	10	0	1	11	0	1	11	0	9	2	

CALCUTIA

The 20th March 1888.

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Southern Valagra) (Pennisct	R CUMBU. um typhoi- um.)
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undermentioned Marts of Benyal on the 15th March 1888.

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Present return.		-	No. 4	return.	1		Corresponding return	of last year.			Present return.			Next preceding return.			Corresponding return			Present return.			Next preceding return.			of last year.			Present return.			Next preceding return.			of last year.			Present return.			Next proceding seams.		danter difficultion of	of heryear.		MARTS.
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7	5 5	6	1	13	0	1	ı	5	6	1	Б	0	1	7	0	1	4	9	1	7	0	1	12	ı	1	6	8	0	5	0	0	6	0	0	Б	0	3	12	0	3	12	0	3	1	6	Patua.
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111		0		al.	ii)	1 2	2 ()	0					_	200000000000000000000000000000000000000			W	3	2	U	2	0	U				0	8	0	0	8	U	0	8	0	3	14	0	4	0	10	2	12	0	Cuttack.

Published for general information.

P. NOLAN, Secy. to the Govt of Benyal.

19/35 S S S S S S S S S S S S S S S S S S S			PARTY AND PROPERTY AND	-
Meteorological	Donost of	the	Province	a
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									STAT	lon (BREE	VATION	ib.			,		
				AIR	l'RE8811	RE.				TRMPE	RRATUR	R.		Нимп	oity.	CLO	UD.	Ī
	DISTRICT.	Representative stations,	Highest, 10 t. H buremerer rend- ing of month.	Lowest, 10 A.M., narometerread- ing of month.	Mean, 10 A.M., for month.	M. zn r-due-d to sea-level.	Varieting from normal menn.	Highest of nonth.	Lowest of morth.	aily	Mesh dady mai- uem tempera- ture.	Mean daily tem-	Variation from	Mean, 10 A.M., humidity.	Variation from normal meats.	Mean cloud *mount, 10 4.K.	variation from normal mean, 10 A.M.	
	5	Gopulpore	50-133	29:877	291908	30:018	o	1977	64.0	8118	71:1	76.5	+2.2	Op.		1.7	+ 0.3	1
(Pooree {	False Point	30183	297914	30 0 38	34.090	1.001	10.2	67:0	81.6	65.8	78.7	0	68.	-11	3.0	+0.8	1
1	Cuttack	Cuitack	30:119	20.863	29 976	50:050	4.413	98.9	58'8	88:9	67.1	78'0	+0.0	64	+ 1	29	+1.0	1
(Balasore	Bala ore	20130	20.888	29:993*	20.022	003	92.4	53.2	83.4	62.2	72.8	+1'7	58	-	1.5	-	1
1	South-West Midnapore and South 24-Pergun- nahs.	Saugor Island	3+178	30 936	30.013	39'679	+ 1011	88.2	52'8	+0.0	65-0	72.5	-06	71	- 6	3.3	+1.5	-
1	Midnapore	Midnapore	30:033	2:0'80 ;	20.030	30 081	F-1021	943	5312	81.6	61.1	72'9	+28	41	-	1.5	-	
	24-Pergunnahs, Howrah	Calcutta	301169	297916	50.030	307658	'001	89%	60 3	80.2	59.7	70 1	09	55	-14	1.8	-0.1	1
11	and Hooghly.	Burdwan	30.087	23°830	29'957	39.093	*(H1**	92.1	50°1	82'8	28.9	70.7	+0.5	43	14	1.0	-0.1	-
۲i	Burdwan Bankoôra	Bankoora	29 821	29.614	227261	-	-	893	53°3	79:7	60.9	70'3	-	60		0.7	_	
	West Burdwan and	Ranigunj "	297860	29'600	29:72:	3 ro12	1 902	93'7	Pag	83.4	187	71.1	+ 2*4	41	-	0.8	_	
	Beerbhoom.	Production	20111	997879	20:001	3) 063	+ '011	917	45.6	81.4	56.1	6813	-0.2	50	- 14	1.9		
1	Moorshedalad	Rerhampere Krishnagar*	500000		29172		_	91.7	47.0	52.2	519	63 6	_	47	- 14	Z.0	-0.1	
	Nuddea	Jessore	50'164	S 581 5 7.50	30 024	30.001	+ '014	92%	47.0	824	56:7	69 6	- 0.8	59	- 3	5.5	+0.2	
1	Jessore and Khoolna	Chitiagong	50.022		2019631			ssel		79.5	59 1	69:3	1'0	72	+ 2	2.7	+0.8	1
11	Chittagong	Demagri						Obser	vations	not re	ecived,				_		100	
K	Chittagong Hill Tracts	Barrisid	30°14.	297930	30:037	30:050	+ '031	8913	1 9 G	79:7	591	69.6	+2.1	63	-	2.0	_	
	Backergunj	Noakholly	201075	201808	30'001	30:017	··· 00.5	883	4.10	79.6	57°u	68'4	+1'2	69	-	2.5	_	
{	Noakholly	Eurrecapote	30:117	297963	35'024	3 1065	1 1027	8673	47'0	78'2	51'5	66 5	-01	56		0.8	-	
1	Purreedpore	Daces	3-137	20:500	29 94 21	3 (014)	'u1s	90.1	4971	81.0	57'3	69.2	1.3	5.5	- 9	1.2	-0.4	
!	Dacia	Commillah	30:127	2019.0	30 022	30.028	+:027	89.4	44.1	80.7	56 6	68.7	+0.4	61	_	1.9	-	Ì
11	Commillah Mymensingh	Mymensingh	35'111	297836	29 995	30'0.5	+ 015	87'1	46°8	78'3	53".)	66.1	+ 0.9	66	-	2.6	-	1
1	Bogra	Bogra	3 cost	garst	20 9511	36'615	-	90 3	15.6	79'8	5:1	66.5		56	-	5.0	_	1
1	Pubna	Serajgun)	36 195	2018/2		300.0	+ '00%	89'0	470	80°0	-2.2	o 6 °1	+1.0	56	1 -	2.2	•	ļ
	Rajshahye	Rampore Beau-	301125	29 847	29 974	30 016	+ 031	85.2	41.7	79.6	52.5	62.8	41'2	40	-	0.1	* **	1
il		leah. Metash	25/126	200816	297966	_	_	881	43°5	803	ara :	66:0		51	_	1.0	_	1
1	Maldab	Malush	20'018		29 506	30 030	1.006	881	41+	79.7	51'3	65.2	+1.0	41	_	0.7	_	-
1	Dinagepore	Dinagepore	30 028		29:908	Series	- viā	86.3	41.0	783	512	61.7	+2.3	60	_	0.2	_	1
1	Julpigoree and Couch	Rus gjerre	99:307		29:746	30 017	901	51.0	41,"0	76 0	51.0	040	+20	60	_	1:3	_	
!	Bener.	Julpikaree											130400	2000		1000000		-
1	Darjeeling Hill Tracts .	Durjeeling	23/115	2"775	22.965	700057	0	56 9	25.7	45 6	317	40.5	+04	81	+ 6	6.0	+0.4	
1	Purnesh and North Bhagulpore.	Purneal:	30 0,2	26.7.4	29 925	30 007	14 1012	60 2	42.9	77'5	1 50.1	041	-1.0	54	- 7	0.8	-	-
11	Mozufferpore	Mozafferpore					ř	Obse	rvation	is susp	endi d.							
1	Darbhunga	Durbhunga	30.620	201726	291878	30.024	4,611	81'9	49.3	74'4	1	64.5	+0.3	61	- 2	1.7	. 0	-
	Chumparun	Motihari	3910.55	291650	2.0791	36:027	1.4 7009	8973	41.8	77:3		63.0	+1.2	49	-	2.4	-,	
-	Sarun	Chupra	201957		20'817	30 051		89.5	4:9"0	78'0	1	65.7	+ 7.5	67*		1.5	-	1
1	7 (Dentee	291885		29"6.41		4 '010	58.1	4975	75'2'	1	66.7*	+1.7	42	-	1.5	-	
1	shahabad	Buxar	30:619		20.421	30 076		8, 9	16 9	78:2		64 1	+1.8	41	-	2.7	7	1
1		Arrah	3e-031	£9°6.09		38 042		15	45'9	78'3	7	65.6	+1.7	50	-	14	1.	1
	Gys •	6ya	201812	200007	1	30 046	1		42.8	81.1	1	69.0	+0.4	45	0	2.2	-41	1
1	l'aina	Bankipore	30:078	0.0121200	29.808	30.020			45.8	78.1	4	65.8	+0.2	43	- 8	3.8	-08	1
	South Bhagulpore and Monghyr.	Bhagulpore	30.029	29744	29'884	30 05.	i + 161	89.1	18.0	78.8	0.0	60.0	+1.8	40	-	0.0	-	1
	Sonthal Pergunnahs	Naya Doomka	297681	297409	20°532	-	+ 002	92'1	47'6	817	22.1	68 4	+1.0	39	_	0.7	1	1
. ,	Hazaritugh	liazəribəgü	2) 144	27'834	25'015	80.07	+ '020	86'5	48.8	76'7	01.2	65.0	-04	38	- 6	3.8	+0*9	1
	Louis ugga and Man-	Ranchee	28:012	27:701	27.863	30.036	1 + 020	88.0	41.0	77'1	0.54	66.1	+1.2	54	-	1.8		
DAGE LE	bassin,	m - 1	91	29'144	29:264	_	+ '014	93'4	52 6	83.2	59.5	71'5	+1.0	48		1'8	1	
į	Singthoon	Chychassa	29:304	29*144	20.732	30.081	0000	1	44.0		1	63.7	0	87	+ 6	5.0	-01	١
	1	Sibsagar	30:079	20'772	23 732	20.01					4	87-1	+0.2	64	0	1.8	-03	1
×	Assum	Phubri		169	20.860		1		47.8			47.5	-00	78	6 94	38	+14	
	1	Sitchar	36'050 1	29.830	20 800	94 907	1.000	00 /	1"	1.	1		, ,	1	**			1

Mean of 27 days.

Bengal for the month of February 1888.

1					-	•		PRICT OBSE				
1			1000				LL.	RAINFA		•		
1		Representative		1887.	15th May	Since				Of month.		
	DISTRICT.	stations.	Normal no-in num- ber-d rainy days.	Mesn num- lored rainy days.	Variation.	Normal mean,	Mean of dis-	Normal hean num- herofrainy days,	Number of rainy days.	Variation front mean,	Normal mean.	Mean of dis- trict.
1		Gopalpore)	_	_	_	_	_	-	_	-	_	_
1	Pooree	Pulse Point	86'0	75.7	-11.89	57:36	45'47	1.7	4.0	+0.10	0.82	1.04
1		Cuttnot		79.6	-6:02	53:41	47:39	1.7	2.6	+6.28	0.76	1:34
1	'ulfack	Balasore •	79:9	71.1	-9:54	55:04	45.20	2.2	40	+1:39	9.95	2.34
1	South-West Midnapore and South 21-Pergun	Sangor Island	87:9	87'0	-1'20	63 81	62:61	2.2	4.3	+2.50	1.5%	3:46
li	- Julia	Midnapore	74:4	71.2	4 0.41	52.56	52.97	1.8	2.7	+0.69	0.90	1.65
	Midnapore 21-Pergunnahs, Howrah, and Hoghly.	Calcutts	93.6	79.5	10:32	53:53	43.51	2.2	2:3]	+0.38	1.55	1.60
11	Bardwan	Bordwar	781	76.0	-0.49	47:77	47'28	2.1	2 3	0.03	1.01	1.01
11	Bankonta	Bankoora	850	7616	-1753	25.55	21,40	5.0	2.0	4 0.55	0.64	0.86
11	w	Rangunj	863	79.9	-4.72	53.46	48.74	2.0	18	-0.29	0.90	0.70
1	Moorshedalad	Berhampore	80.6	85.7	+9°53	50:59	60.15	1.7	2.5	+0.31	0.77	0.08
1	Nudden	Krishnagore	80 3	77.6	-6.03	50.51	44'45	1.9	2.6	+ 0.00	1.64	1'10
	Jessore and Khoolna	Jessere	87'8	80'4	-1065	55:07	43'42	2.2	2.0	-0.51	1.15	0.01
1	Chittagong	Chittagong	10979	111.0	-14'26	11a:33	101'07	1.2	4.0	4 0 48	0.20	1.18
1	Chittagong Hill Tracts	Demagri	1167	110.2	-18:08	83.13	[65:05]	2.1	4.0	4 0.39	0.81	1.20
1	Backerguni	Barrisul .	10976	9612	-16:93	79:33	02.40	2.1	5.3	+0.02	1.01	1.11
1	V 11 m	Nonkholly	1121	97:0	-36.0#	110 79	74.79	2.3	2.9	-0.05	1.00	0.40
i	. Farmedpore	Furreedpore	9012	69.0	-19 90	57'61	37.71	2.3	2.3	0.11	1.51	1.10
1	Dacea	Dacca	91:3	89.8	-19.70	62-20	42759	z.2	.3'5	4 0.21	1.13	1.67
1	Commillah	Commillah	1 0.7	7978	-28'06	72.50	41.41	2.2	5.8	+0.50	1.00	1.56
1	Mymensingh	Mymensingh	92.0	76:4	-7:27	6×.03	61.26	1.8	5.0	-0.55	0.54	0.72
1	Rogen	Bogra	80 0	715	+2738	57.88	60.52	1.2	1.8	-0.38	0.81	0.43
1	Pubna	Sernjaunj	8310	815	-9-01	5146	45'92	1.9	3.2	+0.08	1.01	1.69
1		Rampore Beau- loah,	79:3	. 65.0	-1:33	55:03	50.70	2.2	20	+0'30	0.83	0.17
1	Muldalı	Maldah	87:2	74.0	-8.61	55.20	46'86	1.6	14	-0.10	0.43	: 0.54
13	. D:такероге	Dinagepore	79:1	80.4	+12.79	56.00	69.39	1.2	1.0	-0 32	0.12	0.13
11	Runepore	Runkpore	77%	78.8	+7'21	73'89	81.10	15	1.0	- 0'23	6.33	0.10
li	Julpagoreo and Cooch Benar.	Julpigoree	993 1162	93-0	+7.10	121.71	118'02	27	2:5	+0.04	0.00	0.04
1	Darjeeling Hill Tracts	Purneah	71/5	74'0	+6'82	58.55	65 37	1'4	0.6	-0.12	0.25	0.02
1	Purneah and North Bhagaipere, Mozufferpore	Mozufferpore .	59/3	61.7	+3.64	43.71	47:35	1%	6.0	-0'41	0.41	Хij
1	Darbhunga	Durbhunga	68°8	66.0	+5'14	44.83	49'97	1.3	0.0	-0.45	0.43	Nil
lí						44400	40.83	1.5	0.0	-0.41	0.41	Na
1	Champarun	STATE OF THE STATE	55.1	57'0	+288	48.96	40.52	1:4	0.0	-0.44	0.44	Nil
	Sarun	Dehree	50-1	86.6	-3'35	73.60	40.20			1		
1	Shahabad	Buxar	G3 0	53.7	-2.18	40.80	38-62	1.2	0.2	-0.42	0.46	0.01
	Gyn	med and	88:0	60:8	-2.84	42'14	39.30	1'4	0.5	-0.43	0.44	0.01
1	Parms	57	65.9	59.1	-5'18	41'90	36.81	1'4	0.0	-0.43	0.48	MA
1	South Bhagulpore and	-	6811	62'8	-0.11	13.73	43.63	1'5	0.0	-0.21	₽ 0°55	0 04
	Mongayr.					F1:00	53.16	1.2	1.3	-0.10	. 0.49	0.59
;	Southal Pergunants			79'5	+2.14	51:02	48.04	16	1.3	-0.08	0.22	9° 4 7
1	Lohardugga and Man-	1	- 1	71.7	-3·15 -2·06	48.32	46.50	2.2	2.0	-014	0.88	0.74
11	bnoom.		95.1	79.0	+0.21	52:32	58:03	2·1	4.0	+0.86	0.79	1-75 +
)	Sugaboon	Sibsagar										, ···· ·
	Assum											*****
Λ	i manara									- 1	91	· ··· }

Table of Rainfall recorded at Stations

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		•																122				20
Meteorological division.	District.	Station.	1	2	3	4.	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
	i i																					
		l I		-				1										•				
ORIBHA	Poores	Pooree Khurdah				576	::a		360 000			0.33			0.08 0.09		0.00	0.03	0.43			
311111111111111111111111111111111111111		Banour False Point				***			100			> 69	***	6/24 0/62	0.34		043 049 040	0°10 0°37 0°26				
×:	n.	Gop Pepli		.:		3000			n p								0.40	27		***		
	enttack	Jaratsingpore Banki						**				0.40		0°89 0°18 0°12		***				***		
10	1	Kendrapara				304		300	- Carlo		0130	0°83 1°12		1:37	0.08		0.50		-		-	
		Dharmsalla Salipore						- 8													7	
	највноте	Chandbali				40					1:00	1:79		14	0.12	0.02		0.50				
!		Binadtruck Sorah Balasore						4410	1 3	21	1 00 1 52	1.10			175	6725 6725	.e.			esc an		
*		Jelmsere Bartpodah		- 447 74	***			***			0.02	00		du.e	0.02	6.19						
SOUTH-WEST BENGAL.	Midnapore										0°38 0°01	1.83			0.18	0.70 0.53	0.03	trut.			:::	
CENTRAL		Sauger Island Tumbook Midnapere		Contract ()		***		-			1.01	0.25		6.03		0'2.		315	.:			
CE.	*	Ghatal Kukraoaty									0° (a 1°54 0° (ā	050 178 155		0.05		118 150			:::			
		Herio Bhagwanpuri Garbeta		300		Ge ?					117	l'iō			0.16	0.00						
	74-Pergunnabe	Diamond Hav-				300					1:35	1.11				1'21						
		Consina Town		li ii						100	6.23	1/11		:::		270 a 0703		::		11	:::	::
		Burraespore Paus Dum	750	-				27.			0.71	1/20 1/2 1/10	***		mos							
		Inrase!	. **			851 F					1.00	irai			0'16	"	=					
	Howrsh	Howe to		1		***					0.27	1:17		72		6.15	1.					
		(Ordinaheritah).		1							6:16	1.16	100	0%5		0.01				İ		
	Hooghly	Seramtore . . Hooghly ! Jehannoad		Millione Parks			-				1105	-			***							
	Burdwan	Cubia	١						İ		0.29	0.95 0.79	au.		u'os	0'10		ox.			-	
		Carwa Rane-runge		1 10				986			0.11	0'47		100	727 000							
		Mankur	1 43	1				1		-	0082	0.57	***		555	7.185		inte.				3000
	Pankoora	Bishenpore			iz	***		.85% (III)			0°68 0°68	0°38 0°32									150	
		Khatra Indas	-								0.35	0.02										
		Kotnipore Anda				300					0.20				7							
		Gangapighati Kaipori Sonamukhi				1500			***		1 00	0 13 0 92	3000		::		:::					
	Keerbhoom	Bb, Scory						340			0°31 0°71	0.51							-	***	:::	
=		Rampore Hant Enliper				***		777			0.31	0.55										
	Nuddes	Roughat Kishinghir							***		0.51	0°54 0°65 0°25				6.0	0 52		111			
		Meherpere Kooshten						300			0.08	0.70		-	0.17			=				:::
	Khoolna	Satkhira						746			200	0.13			0.52							
	1	Khoolna				•••		il.				0.75			0.80							
	Jessure	Narail Jessore			***						0.00	0°65 1°05 0°78	:::		0.14			<i>,</i>				
		Jheadah Magoorah Bongoog		*							0.12	n'70 1'12					0.18					
	Moorshedalad	Kandi		100		100					0738 e741	0.16	***		0.19							
		Lalingh		-		***					0.30	0.18			5.31 0.53	-::					.7.	
		Jongmore Lakena							1000	111	0.50	0.08	:::	0.21						**		
		Pathabari						***	-		07.4			0.10								
EAST BENGAL	Chittagong	Littlagong			65		::					0°16 0°20 0°19			0.08	0.01	0.28	0.05	0.20	0.62 6.40 0.68	0.01	
		Kutibili:		ä												•••				0.32		
e a	Chattagong Hill Tracts.	Rangemati Rama	111			 			".	:::	:::	0:40	::		0.02 0.3x		0.15	0.12		0.02	0.64	
	Buckergunge, .	Patnakhally				3400 2410					0.20				0.65					:::		
		Burasai	-						•••		:::	0°34 0°38 0°52	:::	:::	0.40		:::	:::	:::	0 88		**
		Baxphat		<i></i>				:::	::	=	=	0.31			0.47	0.03	·		-	=	Ξ,	
	Noakholly	kholly		100			:::		::	:::	:::	0.30			0.17	:: ·	²	.79	070	: :		
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rin	Bengal	in	February	1888.
114	DOME	***	I opt act à	1000.

21	22	28	24	25	21	2;	28	29	Number of rainy	Average mumber of	lotal rainfall for	Average rainfail for	Heaviest Farnfall during the month.	Form Fatinfull from 1st January 1889 up to forth Feb. 1889	Average rainfull rom list Jameny up to geth belo, 1885.	Station.	District.	Meleorological division.
									5 3 5 5 3	176 271 176 176 17	1/89 0 //0 0/39 1/19 0/41 0 10	1:10 0:72 1:01 0:88 P	1°03 0°09 0°36 0°36 0°26 0°46	8708 0787 079 5725 1788 0794	1786 0790 1716 1716 P P	Peoree Khurdah, Banpur Faise Point, Gon, Pipli,	Pooree	ORISSA.
									2 2 2 3 3 4	09 32 20 10 15 Y	1179 0167 0162 2110 1172	0.01 0.05 0.06 0.77 1.31 2 2	0°89 0°49 0°59 1°37 1°12	3730 1733 1736 372 277	0.96 0.91 0.96 1.17 1.71	Jagats:ngpore, Bania, Cutta-k, Kendrapara, Japase Dharmsalla, Salipore,	Cuttack.	
							 		1 5 1 5	1'9 2'1 1'8 2'8 1'9 2'6	1:30 2:51 2:51 1:51 0:57 2:32	1702 1773 084 127 1702 070	120 120 029 130 050 150	3780 4781 2784 6767 2.23 2.74	150 171 1709 2706 1771 1701	Chandbali Randdrack, Sorah, Balasore, J. Hasore, Barmooah,	Balasere.	
···						300			5 1 4 3 3 3 4	1.6 2.0 1.8 7 7	2 97 2 97 1 82 1 95 4 74 2 39 3 15 1 17	138 137 138 031 030 1	1°83 0°91 2°10 1°01 0°63 1°18 1°18 1°15 1°17	376 577 776 270 1792 5 83 4 26 5 15 5 25	150 154 156 156 156 2 2 2 2	Contai Sangor Island Turnhock, Midmapore, Ghatal Kakrahaty, Herea, Chaqwanpore,		NOUTH WEST HENGAL
									3 2 3 2 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3	20 31 21 26 25	1700 1715 1731 1739 1734	1168 5 1167 1167 1167 1162 1169	1°11 2°04 1°15 1°20 1°32 2°10	5:11 0:99 5:07 2:48 2:95 1:05	278 278 172 173 174 175	Garbeta, Dannond Harbour, Canxing Traca Aip we Init, Barrackbore, Dan-Dum, Barasai,	11	is.
 	366 366				•••	3 3#			2 3	27 27	1567 1514 1563	1°04 1°26 1°11	1°21 1°17 1°16	2:00 2:41 5 Le	135 135	Busechat.	Howenh	
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									2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	21 21 15 16 20 20 20 20 20 20 20 20 20 20 20 20 20	0°97 0°87 0°88 1°96 0°80 0°11 1°95 0°99 0°66 1°13 0°92	1 10 Y 1 10 K 10 6 K 10 10 10 10 10 10 10 10 10 10 10 10 10	0.56 0.82 0.60 0.68 0.38 0.45 0.67 1.05 0.56 1.00 0.32	2004 2004 2008 1557 2014 2001 2015 2016 2016 2017 2017 2017 2017 2017 2017 2017 2017	1 45 1 66 0 61 1 66 1 7 1 7 1 22	Rancerunge, Mankur, Bancoora Bishenpore, Mahara, Khatra, Indas, Kataipore, Anda, Cangajalyhati, Exipore,	Bankoora,	
 		•							2 1 2 1 4 1 3 2 3	273 178 177 1 176 273 179 177 272	0%5 671 0%6 0%7 1 32 0 65 1 22 0 87 1 47	0/97 0/97 0/84 f 0/93 1/02 1/11 1/02 1/11	0:31 0:71 0:34 0:67 0:54 0:65 0:72 0:70 0:78	1°10 1°07 1°02 1°11 2°47 1°26 1°50 1°20 1°26	130 137 137 139 139 141 142 133 1749	Rinamukki, Bh, Soory Hetampore, Rempore Haut, Reipur, Romachat Kishamenur, Chevodanga, Moherpore, Kooshiea,		
									1 2 2 2	2°3 1°7 2°2	0 12 0°85 1°55 0°79	0.93 1.31 1.25 1.16	0°12 0°60 0°80	0°18 2°84 2°34	1/33 2/00 1/84	Satkhira Bagurhat, Khoolna.	Khooles	
	:: :::	::		=		::			2 2 2 2	2.7 2.3 1.1	0 SS 0 SS 1 24	0°8., 1°10 1°05 1°10	1 05 078 970 1 12	2:31 1:19 1:60 2:61	156 1544 156 154	Jessore, Jiessore, Jhensdah, Magootaa, Bongung,	Jessore.	
	*.		::						1 2 2	17 21 12 20 13 16	0°28 1°66 2.89 0.71 0°24 0°40 0°96 0°95	0°85 0°85 0°87 6°76 0°71 0°65 P	0°58 0°49 2°34 0°30 0°18 0°19 0°51 0°65	1°15 1°30 8 17 1°00 0°17 1°22 1°35	1 26	Kandi Berhampore, Lalliagu, Azing Inge, Jusqi ore, Lalgote, Theories, Patkabari,	Moorshedalast	
				::			1 1 1 1		6 6 1	11 13 7 7	136 039 138 037	0°49 1°19 ? ?	0°62 0°45 0°68 0°35	7:01 3:05 4:72 2:30	1.70	Cox's Bazar Chitra long, Kalmidia, Salkunya,	C littageny	E.ST REAGAL.
* * * * * * * * * * * * * * * * * * * *		n nid			:: :::::::::::::::::::::::::::::::::::				4 4 2 2 2 3 1 3	2.3 1.0 1.8 2.1 2.7 1.7 1.7	0°65 1°75 1°12 1°20 0°94 1°16 0°32 0°81	1.13	0°40 0°67 0°62 0°69 0°60 0°49 0°32 0°47	2 00 5 03 2 70 2 21 3 66 3 71 0 83 2 67	1 90 2 01 1 65 1 41 ?	Ruma.	Chittmong Hill Tracts, Enckergunge,	

!	[ab	le o	f Ra	infa	ll r	ecor	ded	at 8	Stat	ion
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Meteorolog division		. Bta	tion.		1	•	3	•	5	6	1	8	9	1 10	u	12	13	14	15	16	17	18	19	20
BAST RENG	Noskholly concid. Furroedpe	ro Madar	nnj more dpore		:									0°03 0°15 0°28 0°75 0°70		0.04	0°14 0°64 0°72	0-18	11111	0:40		0.20		
	Ducca	Dacca Naraii Manie	ngunge ngunge keunge bpore								:::::::::::::::::::::::::::::::::::::::		0.01	0.42 0.41 0.40			0°64 0°76 1°18 0°64 0'40	0:28 0:15 0:00	0°45 0°50 0°18	:::::::::::::::::::::::::::::::::::::::		: : :	::: ::::::::::::::::::::::::::::::::::	
	Hill Tipper	Comili Chand Brahm	A . pore . nuberi			=	 	-						0°68 0°37 0°60 0°50			0.37 0.22 0.23 0.31	0 23 0 29	0.45 				: : : :	
o a		Nasiri	nagar andi .										: : : :	0.48 0.43 0.42 1.45 0.22	: : : :	010K	0.53	0°50 0°12 0°37	0.20	:::::::::::::::::::::::::::::::::::::::	0.26			
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°, Nовти Ввяс	Pubna Rogra	Pubna Serajg:	iganj					.					0°34 0°05	0°37 0°47 0°61		0.01	0°13 0°47 1°25		0.28 					::
. 8	Rajahahye	Nowkh Bogra Panchb	illa ubi uh		1::								0.03	6°35 0°50 0°24		0.17	0.42							
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SUMMARY OF THE METEOROLOGICAL AND RAINFALL OBSERVATIONS TAKEN IN BENGAL, AND OF THE METEOROLOGICAL OBSERVATIONS TAKEN IN ASSAM, FOR THE MONTH OF FEBRUARY 1888.

THE normal meteorological conditions obtaining in the Province of Bengal during the month of February show clearly the commencement of the transition from the cold to the hot season, and the most important feature is undoubtedly the rapid increase of temperature, which usually commences this month, and which is continued during the following two or three months. The rapid increase in temperature is due to the rapidly increasing elevation of the sun, and this heating effect is much more pronounced over the land area than over the sea, so that the dry northerly winds at the southern stations commence to be replaced by moist southerly winds blowing from the sea. The normal conditions in Bengal during February are therefore comparatively simple. Temperature increases steadily, and winds are light, being usually west and north-west at the inland stations, though at the southern stations they alternate between north-west and south-west. The sky is clear and little or no rain falls; and humidity, except when the sea breezes are blowing, is low. These conditions are, however, liable to be disturbed by two or three causes; the first is due to the formation of barometric depressions over Northern and Central India, which drift eastwards and southwards giving heavily clouded skies, a moist atmosphere, and rain. The second class of disturbances is due to the interaction of the dry land winds and moist southerly winds, which sometimes produces the local storms known as nor'westers, and which are frequently accompanied by heavy rain. The third class of feeble disturbances are probably produced by ascensional air motion, and, with the rising of the moist winds, cloud is formed, and in some cases rain also occurs.

The whole of the rainfall in February is therefore brought about by these abnormal conditions, and it is generally irregularly distributed and small in amount, though larger than in January. The normal tall averages about an inch in South-West and East Bengal; it is somewhat smaller in amount in Orissa, where it averages about five-sixths of an inch; in Chutia Nagpur the fall averages about three quarters of an inch, and in North Bengal and Behar the fall equals about half an inch.

Meteorology of the month.—The chief features in the meteorology of February 1888 in Bengal have been—

1. Pressure has been in very slight excess of the normal over the greater part of the Province, the average excess, however, only equaling 0.009 inch. Some parts of East and Central Bengal have, however, shown pressures slightly below the normal.

2. Temperature has been decidedly above the normal in all districts, the excess being rather considerable in Orissa, North Bengal and South Behar, where it has ranged from 1° to 2°. The average excess over the whole Province has been 0.9°.

3. Humidity has been generally below the normal, the defect averaging about 5 per cent. over the whole Province.

4. Cloud proportion has been distinctly larger than usual, though the excess is not very considerable.

5. During the middle of the month two very feeble low-pressure areas drifted across Bengal in an easterly direction, giving a period of unsettled weather, which lasted in some districts from the 9th to the 15th or 17th, but which gave the most general disturbance on the 9th and 10th of the month.

6. Comparatively heavy rainfall has been received in Orissa; falls equal to about the normal amount have been received in East, South-West and North Bengal and in Chutia Nagpur, but in Behar rainfall has been almost absent.

At the commencement and during the first week of February, the meteorological conditions in Bengal call for no particular comment, except that the weather was of typical northeast monsoon character, temperature being exceedingly low and decidedly below the normal. On the 8th instant, however, pressure became rather low over parts of the Central Provinces and Orissa, and on the 9th a distinct low pressure area existed over Orissa, and this depression on the 10th was distinctly marked over Central and East Bengal, but it shortly afterwards disappeared. A second feeble area of low pressure was also formed over the Central Provinces, the North-West Provinces, and the western parts of the Province of Bengal on the 14th, but this did not concentrate into a definite depression. The combined effect of these two disturbances was to give unsettled weather with rain over Orissa from about the 9th to the 15th, over South-West Bengal from about the 9th to the 18th, and to East Bengal from the 10th to the 17th. The disturbed conditions scarcely reached North Behar at all, and in South Behar the disturbance was mainly confined to the Sonthal Pergunnahs district on the 9th and 10th, while in North Bengal and Chutia Nagpur weather was also slightly disturbed on the same two days. After the disappearance of these two disturbances, weather became of ordinary north-east monsoon character for the remainder of the month, and the only point noticeable was the steady rise of temperature and some remarkable oscillations of humidity, the cause of which is explained in the summary of the normal meteorology of the month.

Pressure.—The variations of pressure during the month have been rather considerable, but the mean pressure for this period has not been very far removed from the normal; and thus, taking into consideration only those stations from which observations have been received for a series of years, and which therefore yield reliable averages, the mean pressure of the province for February has only been 0.009 inch in excess of the normal. Almost all

the stations in Bengal show an excess pressure, but in East Bengal one or two show slight defects. In Assam pressure has been below the normal by 0.005 inch, the largest defect being at Dhubri, where it has equalled 0.016 inch.

Temperature.—The variations of temperature during the month have been large, and during the early part very low temperatures were recorded. For the whole month the mean temperature of the province has been 0.9° in excess of the normal.

The actual variations and oscillations of temperature for the month are best shown in the following table, where the average maximum, minimum, and mean temperatures at nine typical stations in the province are given, week by week, and compared with the normals for the same periods. Speaking broadly, it may be said that temperature was very largely (from 4° to 6°) below the normal at the commencement of the month, while for the remainder it has been rather above it, or almost normal.

Monthly variation table of temperature from the weekly comparison table during February 1888

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Gya Purneah Hazaribach Darpeding	-69 - 73 - 68	-256 -157 -454 -253	-17 -54 -58 -V0	+ 6°8 2°7 - 2°7 +1°1	+21 +07 -04 +12	+1.1	- 13 -13 -23 -23	4 11 - 1 7 - 03 - 24	-1°S -1°S -1°S -2°6	+0.3	-01 -10 -111 +02	+0.1

In Assam the mean temperature has been almost absolutely normal, the variation being an excess of only 0.2°.

Rainfall.—Has averaged 1:66 inches at the stations in Orissa, which is nearly twice as large as the normal amount; the fall in South-West Bengal has averaged 1:29 inches or about a quarter more than the normal; in Oriesa the fall has averaged 1:10 inch or about the normal fall; and the same is the case in Chutia Nagpur, where the actual fall has averaged 0:73 inch. In North Bengal the fall has only equalled 0:42 inch, which is about four-fifths of the normal amount, while rainfall has been practically absent in Behar.

The rainfall in Bengal during February has been decidedly heavy in the following districts:—Cuttack, Balasore, South-West Midnapore and South 24-Pergunnahs, Midnapore, 24-Pergunnahs, Howrah, Hooghly, Chittagong, Dacca, Pubna, Rajshahye, and Singbhoom.

In Assam, Sibsagar has received 2.95 inches during the month, Silchar 1.17 inches, and Dhubri only 2.06 inch.

The following table gives the summary of the temperature and rainfall data of each of the seven Meteorological Divisions of the province for the month of February 1858:—

			Ţ	EMPE	RATUR	E.	1			i i	RAISE	11.			
		rasont).	morth.		rages month		the order) Laor	ıth.	Itan	ev d y	·.	Sing.	
METEOROLOGICAL DIVISIONS.	•	red durin		of each	of each	for each	er non		. Se.		12	7.4		; !	·u
39 :		Highest observed during	Lowest observed	Of highest day.	Of lowest of	Of mean fo day.	Average meen	Average,	Nermal average.	Cariation.			Variation	Arterior.	North average
OTISSE		98.9	53.2	83.9	66.0	75'8	413	1 00	0.76	10.80	3.4	1.5	115	46/39	35 1
louth-West Bengal		94.3	47'0	81.9	20.1	70.2	401	1.59	1.03	+6*26	2:3	5.1	4.0.5	48187	33.2
East Bengal		80.1	46.1	79.6	6.92	69.3	+0.4	3.30	1.01	4 0.05	21%	2.2	+0.0	57'80	76:16
Korth Bengal		50.3	43.2	79.0	52.0	65.2	+1.7	0.45	628	0.16	1 %	1%	-6.1	71.25	70 6
North Mehar		80.2	41'8	76'9	61.0	64.4	+07	0.05	0:15	- 0.43	0.2	1.4	-1.5	52 57	48 :
South Behar		92.1	45 8	78'8	54.9	66.0	+11	0.08	613	- 0.40	0.6	1.2	-0.8	42.76	44.2
Ondiia Nagpur		88.0	44.0	76.0*	54.7*	65.84	+0.4.	0.23	0.70	4 0.03	2.0	1.0	+ 0.1	46.21	20.1
Assam	- 300	88.7	41.6	76.2	65'4	65'8						144			

[·] Chyebassa not included.

Meteorological Report of the Province of Bengal

VISI			1								STA	T10;	N OBSI	:RV	TIONS	V.				
METEOROLOGICAL DIVISION.			į			IR PRES	erke.		Wisd.					-70)	ТЕМ	PREATE	KF.		-	
PICA	DIST	RICT.	Repressi	sentativ don,	Mean barometric	1 75	from	5	1 5	during	10	Office of	1 2	1				7 , 47	1	
OLO					12.2	ucerd.	e # 2	17	y Frank	1 #	- 15		duv re	- 1		Mara XX	inge,	1 1 1 1	from	×
ROE			1		1 11.	0.07	Taking the second			1 7	9 8		2			1 6		i i	£-	4
Met	1				1 1 2	Mean re	Carratina	Provabiling direction	2 2			Date.	, in		Pate.	13.4%	Term round	Week.	week.	of week.
	1		(Gopal)	pore	29.91	1	1		1	1	-6-				-	: . 			- 5	5 B
. 1	Pooree		}	Market Co.	1 2.001	200	1 - 03	5 S	3.00	85	7 160	h Ma	r. 7	13	10th Ma	30		6: 8	0.4	17 83
ORISSA.	oresponde.		C False	Point	201937	7 29:05	01	SSW	377	0 10	5 140	h,	. 7	re 1	oth	86		(3) 80	76 47	
5	Cuttack	***	Cuttue	k ·	20288	n 297,8	90 - 10	2 8811	1:30	101	9 161	h,	. 6	83 I	oth .					
i	Balusoro	••	- Bulaso	re	20'89	297:5	10: - 1	WSW	72"	165	1 Lat	h ,	. 6.	19 1	oth ,	93	1			
1	South-West		Saugor	Island	29.900	59:96	1 01:	ssw	4829	101	7 161	h	١٠.	15 1	ert.				,,	84
1	Couth 24-Per	kummus	1	Mark.			1		1				"		oth "	86	" "	8:	+1	4 82
1	Midnapore 24-Peagunna	hs	Midnar)	mr	29'700	2000	1 - 1/21	S	1283	100	121	h "	C	12 1	oth	96	3 72	21 84	2 +4	3 85
3	Howrah) Calcutt	16	20 20 6	2003							1	Î		i	ì			00
	Hooghly				-/	60.395	639	8×11.	147%	1000	160	h	63	1	oth "	SS	8 71	1 80	.1 +0.	3 827
1	Burdwan		Burdw	anc.	29.5.1	27723		South	101'e	1						1			175594	-
1	Bankoora		Banke		grata	1	_	Westerly South	y	1	1		1		dh n	94	1	1 82	1 +1	6 82-7
	Beerbhcom		-)					Westerly	0.02	1 301	120	i	thi	2 10	th "	91	5 70	°S 82	6 -	81.8
The state of the s	West Burdwa) Ranceg	mee	(2) (5)	250.50	~1025	SSW	1050	957	1210		67	9 u	oth, ittl Mar	1 94	2 70	6 82		
	Moorshedaba	d	Berham	ion•	:9.81;	perte	- 1005	 Easterb	1210	917	1111	é	62			0.000			1 12	5 82-3
1	Nuddea	200	Krishun	rliur	2015-00	throta		wsw	1162	95.7		11.00	6:		th "	301			+0	3 77-2
1	Jessore		Jessore		207915	, m		1	1		8			1"	nh "	90 (67	79	2 -	82.6
1	Khoolna				27.27.0	E9 949	- '007	SSW	HST	923	Linh		631	0 10	th	50.	68	1 79	3 -11	0 81.3
	Chittagong		Chittnge	ng	29 (01)	39/502	F 005	SE	1100	86 1	14:5		64:	5 19	th, 141	821	; 66			
1	t hittageng Hi	Il Tracts	Demagir	i					Observa	tions in	ree	erved.		1	Mari	1	1 60	5 74	-2"	3 79.1
1	Backergunga		Barrisal		291917	40.623	+ 014	8	1291	80.5	16th		65	0 10	th ,,	86.4	689			1
1	Nenkholly	***	Nonkho		29/937	297981	+ 105	SSE &	1750	85%	1 Hh	,,	62	1	1700	830	07.00			
	Furresdpore		··· Furreed	pore	29.9.8	29:268	+:011	E.SW	1170	860	15th	,,	19	5 10		82:7	1	100	21	1000
1	Uacra		Dacca		290911	29 901	+'017	South	141.0	881	nah								-41	771
1	Commillah		Commill	ah	29 (4)	197281	+1007	ensterly SE	149%	85.4	and the same	 A 1611	600	10	, ii	83.4		743	-44	781
(Mymensingh	en : 2	- Mymens	ngh	gare(n	29 981	1.037	Easterly	1427	85.4	loth	Mar.		1000	201 - BENG	83.1	1	74.4	-21	76'4
5	Bogra		Bogra		29/880	201143	+ '01:	E	105.5	865.5	111h,	1:15	62%			78.6		3	-9:3	72.0
	l'ubus.		- Sernjgun	go	29 7072	29.263	+ 0.1	North-	110%	8574	Hili	М.г.	5973	1	6	81 G		3	-	. 72.8
1	кајѕћаћус	100	Rampore	Renn-	20.00	297654	+ '029	easterly 3 h	86.5	88.3	(2th	,,	57:7	1	10	83.1	1 00.		-8.8	73'1
1	Muldah	144	Maldah		2015.12	-	ms.	NW	108'4	1072	isth		60'7	1.		92.4	6 %	1 1000		73.9
1	Dinareporo		. Dinagepo	ore .	29*837	2,7980	**010	ENE	161'0	85 1							677	788	-	76.3
,	tongpore				29.855	2010-2	4 056	E	111.0	82'8	10th	"	5917	1		81.7	63 8	72'8	-2.3	740)
,	ulpporce		C. Francisco Control						1	0	iith	"	55'7	131	h ,,	781	62.2	702	-3.0	1 3
1	looch Behar		Julpigore	PP	20.02 1	2094	+ '007	ESE	48'8	90.0	luth		54.4	131	h o	77°×	62.0	69.9		
D	arjeeling Hill	Tracts.	Darjeeim	K	23 060		'00%	Calm	22.8	13.8	13th	065			w:		5500	"""	-1.7	69-3
1	urnenh	m - m	Purneah	.	201829	day						"	38'4	141	n .,	52.8	41'6	47'2	-2.0	47'3
1	orth Bhagalp	ote)	"	en nei	297/58	+107	Calm	37.0	88 2	loth	,,	60°7	131	h ,,	Kr.8	63'4	74.1	-0.2	747
1	conferpere		1	1,61	-			Easterly	Observa	lions su	spende	ed.							4 -00	""
1	andhungs			ки	29:763	297938	-'0:4	ESE	119'0	16.5	10th		64.2	13t1		83 3	66.8			
	hom; aran		Motilmer	:	29 683	297915	000	ESE	195.0	50.1	10fh		67'3	1		86.5	61.9		+0.4	740
1	briin	HC 16	Chupra	700	29:714	29/912	012	ESE	141.2	92 0	10th		65.9	1411		80.0	657		+11	776
	·		Dehree			297312	0su /	Yesterry	186 0	96.1	121h	,,	65.0	11th	122	93.2	67.1	80.2	+1.8	79'3
1	mhabad		Armir			29:023		ortherly	166.3	93.4	11th,		61.8	1111		99.8	66.8	78'6	+4*8	80'8
	y a		Gya*			201805	1025	E,W	110'9	- 1	10th,	Mar- 16th Mar.	83:8	1011	١,,	90.8	63.6	78'8	+2.8	81'4 80'8
1	atna		Bankipers			297878	083	Calm	79%		11th,	leth Mar.	65'7	1411	.,,	92.8	08.2	80.6	+2'4	831
1	outh Bloggalpo			-	29'7:40	29-928	010	В	117:0	81.6	10th		63.8	10th	.,	88-9	68.8	77.4	+10	90'5
1	oughyr	}	Blugutper	e 2	9.768	291933	*002	E	lia	01.8	10th	,	64.0	1011	. 14th	86.7			720	
So	onthal Pergenn		Insinka	2	9:415	_	- Total	pan	,, ,			"	5.0	4	15th Mur,	80.7	65.0	75'9	0	29'5
1	a asitaat		Bazardag	- 100		20000000	- '017	ESE	14:3		12th	"	64.9	14th	. "	89.4	68'4	78'8	+0*	18 701
Lo	diarduppu	,					01.7	"	246.8	93.7	18th	"	64'3	15th		80.1	05'4	17.7	+2'8	63-1
A	mondan	,, 1	Капедее	27	7.768 2	9 882	- '037	w	157.0	97'5	2th	.,	63.6	14th	,,	89.9	65'7			
81	glibhoom		Chychasea	29	7147	_ .	026	88W	57'1	89'2	sth							77'8		
								~~ II	W/ I 1				87'8		11th					COLUMN TO THE REAL PROPERTY.

Explanation.—fummary.—The normal means of air pressure and temperature are the actiometrical average or means of the atmosphere is expressed as percentage, saturated air being represented by 100. A case it is described as a continuous means or average of the reinfall in that district description from the professional continuous are in in the case of the reinfall in that district description from the profession and in the case of the reinfall in that district description of the reinfall in the case of

or the week ending Friday, the 16th of March 1888.

																-
							YFALi	KAII	-	***		VEEK.	OPY	n, at	smount r week.	
1	DISTRICT.	tve	Representati station,	144	Average number of roomy only.	1887.	15th May	Since	nth.	re 1st of mo	Sm			Rainfall of week observing station,	id su for w	
		Į		Sormal un-ede- of many days.	21.5	ü	70 :	Meet for Lattice,	ii.	7.	Wenn for district.	· .	1. 5	inc	Average cloud sat 10 A.M. for	i l
1					200	Varistion.	Normal n.esn.	= 1	Variation.	Net tand mean,	es contract	Normal reag.	Venn for	late .	10.4	2
	are occupanted to the			N. E	53	2	×-	*	j.	×-	¥ =	×-	÷ ,	Ra	Ave	BC 10 A.M.
1	1)	Gopalporo	_	-	-	-	-	-	-	-	-	-	Nil	0	4
	Pourse	1	False Point	0.1	0.0	-11 29	·57·76	46'47	- 0'4!	0.42	Nil	0.16	Nil	_	0.0	
	Cottack	-"1	Cuttack .	0.0	0.5	-6:41	54.09	47.68	~0.co	0.08	0.02	0 27	D'07	Nil	2.3	5
	Balasore	•	Balasore	0.2	0.3	-9*72	55'62	45*90	-0.30	0.20	0.36	0.54	0.05	Nil	1.0	7
	**************************************		, oansare				E avec					X	0.00	24140	10	1
1	South-West Midimpor South 24 Pergunnalis	1}	Sanger Island	0.2	0.0	-1.83	61.02	0.75%	0.11	0.66	0.55	0.15	Nil	0.05	4.4	50 1
-	Midnesses		Midnapore	0.0	0.7	+0*22	53 46	53'65	-0.20	1.56	6:70	0.27	0.40	0.13	1.7	14
1	21 Pergunnaha	1	process constants.					1			ļ				-	
1	Howesh	į.	Calculta	0.2	1.8	-10.02	61:29	41.31	+028	0 75	1.03	0.14	0.61	2.23	4.6	70
1	Hooglidy	- 1						Í		1		į				
1	Burdwan		Burdwan	6.2	1.3	-0.46	48:41	17:08	4-01	0 G9	0.43	0.15	0 55	0.02	3.4	58
-	D		Bankoora	0.2	0.3	-2 00	53 67	51 57	-1.11	0.29	0.15	0.51	0.03	Nil	1.9	49
1	Beerbhoom	(Russa	0.5	0.8	-173	53/82	19709	-202	0 37	0.22	0.13	0.00	0.11	2.1	.
-	West Burdwan	j	Rancegunge	#(M.)	V.,					y 01		U. Ade	0.25	un	21	55
1	Moorshedabad		Berhampore	0.2	1.7	+9722	50.01	60%3	1-11-01	0.40	0.41	0.11	05.6	0.51	4'3	75
ì	No. 11		Krishnaghur	6.4	2.0	-4'61	51 20	1656	4.135	0.68	2.11	0.18	2.02	0.00	4:3	63
1	Jessore	5	Jessore	0 1	2.3	-10 66	55.92	4576	+0'91	0.90	184	0.15	1 52	1.00	6.1	70
1	Knoolna	{							- 100		- 1	5.35				10
, !	Chirtagong	- 1	Chittagong	0.3	2.2	-4'39	116 26	101'57	0'0-	0.88	0,20	0.08	0.43	1.01	4.6	73
s	- rent Time		Demagier	0.4			84.12			128	•	0.10				
	Backergango		Barrisal	0.5	2.3	-16 43	80 31	637,01	+0.16	1.00	1.16	0.18	0.54	1.56	3.7	72
			Noakholly	0.5	5'0	-31 30	112 60	785.00	4 1,16	1 /2	3.51	0.51	3.08	2'56	6.3	73
- 1	Furredpere		Furreedpore	0.5	3.7	-17:20	58.74	41.91	+2'62	1.15	5:81	0.55	3 80	4 70	2.9	80
-	Daeca		Dacea	0.6	8.0	-16.03	63.18	47:15	+3 (%	0.80	4'56	0.58	4'49	5.05	46	78
1	Committah		Commillah	0.8	4.3	-24'89	73.80	48'97	+3:11	1.38	4 52	0.20	4.10	3.13	1:.3	77
1	Mymonsingh		Mymonsingli	0.0	5.0	-6.02	69.20	63.45	+1'12	0.82	1.97	0.25	1:92	1.82	£:3	83
1	1 22 22	į		0.4	1.2	+2-05	58.14	61:39		0.40	0.43	0.98		63314	010	
1	Bozra	2500	Bogra Serajgunge	v·5	25	-7:95	65.01	47.08	+0.03	0.70	1'76	0.00	1.72	1.58	8'0	76
1	Pubna	mlood.	Rampore Boa	0 1	25	~ 5'41	55*36	51'95	1+0.82	0.32	1.50	0.10	1.15	?	3.4	79
1	Maddali.	1	Maldah	u 3	1:5	-8'67	55.6)	47:02	+0.01	0.51	0.12	0.08	017	0.01	4.7	50
-		- 1	. Linear		-		57.72		+0.21				V.1	٧		CU
1	Diangepora		Dimegepore	0.3	0.8	+13.08	66.82	60.93	+1.02	6.7.	0.24	0 07	0.25	0.10	5.8	73
-	Rangpore		Rungpore	0.1	7.8	49714	74.35	83,46	57	0.45	2'37	0.11	2:34	2.75	4.1	85
-	Эпірагого		Julpagoree	65	3.8	+9.00	111:31	120:31	+1 91	o [.] 37	2.58	0.12	2:18	3.56	8.4	81
1	Cocch Beliar		Same es warm			0.50			+2'23							
1	Darjeeling Hill Tracts		Darpeling	0.0	4.2	-0.79	122:30	121'60	Carana	0*54	2':7	0.35	2.77	0.01	6.9	91
1	Paraesh		Purness	0.3	1.0	+7'54	58:79	66 33	+0.10	0.51	0.8.	0.03	0.97	0.65	8.3	71
1	North Bhagulpara Mozuiferpora		Mozafferpora	63	1'0	4 5 5 3	4476	47"57	-0.07	0.50	6000	0.00	li mari		4	:
1	Durbhungs		Unrohonga	e's	10	+565	45'01	50.00	+05.0	0.50	0.55	0.00	0.55	N/I	C-8	71
1	Champens		Wollham	0.5	0.2	+2.73	47'24	40.97	-0.13	0.58	0.12	0.02	0.22	Nil Nii	8.1	71 58
1	Sarun	- 1	Campra	0.2	0.7	-3.35	48.72	40 37	-0.02	0.17	0.15	0.04	0.13	0.52	1.0	74
1	,,)	Dehree	10000										0.13	1'4	47
	Shahabad	1.1	Buant	0.3	0.5	-2.41	41 06	38.02	-0.50	0.58	0.02	0.69	u·02	drops	1.8	44
-			Arran				10.2541.5.13			0504700	2000.E1	43 PM (1)		Nii	1.0	63
	iya		Oya	0.3	0.2	-3 (6)	42.40	39:31	-0.50	0*24	0.04	0.00	0.04	0.08	2.2	63
	Patna	(447)	Bankipore	0.3	0.0	-5:38	42.19	36'81	-0.12	01:7	Nil	0'07	KA	Nu	1.8	80
	South & ambus	5	Bhagulpore	0.3	003		-B-51-4		-0.50		21/1			-		
	Monghyr	[эпакшроге	u a	0.0	-0'35	43.58	43.60	-0.20	0.20	Nii	0.00	Nil	Nil	11	58
- 1	Southal Pergunnaha.		Doomks	0.4	1.2	+201	51.39	58:41	-0.10	0.82	0'25	0.18	0.53	0:33	14	40
			linzaribugh	0.2	0.6	-411	51.95	48'74	-0.76	0'79	0.03	0'89	0.08	9.09	210	•
	Leharduggs	{	Ranchi	0.0	0.2	-2.46	48'31	45'45	_0/11	0'59	0.18	6'28		0.03	19	
	Maubhoom	∫				-2.40	18:31	90 10	-0'41	0.00	0.18	0 23	9.18	4		7
	Singbhoom		Chyebassa	07	0.0	n	53'08	53:03	-0.78	0.78	MB	0'81	Nil	drops	*	

the state the corresponding normal mean, and positive when greater.

There is a present the corresponding to the condition of the corresponding to the corresponding to the corresponding to the district the corresponding to the corresponding

Statement of Rainfall in Bengal for the week ending Friday (6 p.v.), the 16th of March 1888.

		8			Haller	MINEALL		, -,		Tor		m	Average	(Total -	Average
Meteorological division.	District.	Station,	Sacurday, 19th Mazelt,	Marchy, 13th	Moved: v. 13th March.	March: 13th	W. b 1 m.	Percent 5, bath Nameh.	Friday, 18th March,	Number of	North of	Total rain- tall since 1st of month,	total rain- fullitem 1st of month,	Total rain- iall sines 15th May 1887.	rainfell from 15t May to dute.
				-						Nil	NIL	Nil	9735	36:19	53:25
RISBA	Pouree	Pource Khurdah Gammer			••••		18			Nd Nd	N:! Nil	Nil Nil	6/26) 6/29	39:59 39:79	58° R
		Pais Foint			*****		9090			Nu Nd	Not Not	Nil Nil	(*51	70°et . 50°d2	. 65'74
		Pipli	*** **	*****			4	1999		Nil	Nii	lı A	ł	ř	9
	Cuttack .	Jagatsingpore			5.0		**		can ii	Nil Nil	Nil Nil	Nil tro5	0°54 1°04	33798 43798	49°03 54°33
		Banki Cuttack			30.00			**	0:31	Nil L	Nil 0.31	Nil 0.31	1178 1718	* 50030 55000	58.08
		Kendrapara Jajpone					H062		on to	Nil Nil	Nil Nil	Nd Nd	C 50	50°66 44°49	54 1
		Dharmsalla Salipare	***	2000	7.	****	- W			Nil	Nil	Nil	?	51:31	,
	Balasore	Chandbali							0.23	Nil.	Nit 623	Nd ngi	0.24	43°69 47°32	55°75 63°85
1		Sorah		100	500		110.00	00.90	1/ 2.1	Nii Nii	Nil Nil	8 d 6 19	0.79 0.67	41°20 55°21	51/13 60 20
1		Balasore	100		7	1.0	277		0.34	Nil	6°28 Ni ¹	0.16	65an 6.42	40.65	21.12
		Barrpodah			** *	341.7				Nit	N.d	6.59	0:41	52.78	63.66
BENGAL.	Midnapore	Contai Sames Island		1.0			***	u -94		Nu Nu Nil	Nil Nil	0.15	0752 1717	74°04 51°63	68°50 68°50 63°42
		Tunnerok Midnanoro			(C20			11114	7.1	1 .	0.50 1:00	0720 1700	6/93 0/69	49/19 58/23	50190
	13	Kakintaty			1000	# I	Past	# # em=		Nic No	Xil Xil	102) 15 }	68-48 68-48	60.00
		Hevia Brownanpore	4.4						- III	Nir	Nii	0.10	1	45 (%)	
	15	Garbeta	1.00							Nil	Nd	0.40	3	51.97	,
	24-Pergunnalis	Demond Har boar	*****				*****	Sec. 53		Nit	Nil	6.20	0.83	61:65	61:06
	8	Alpere Jad			7.5		150	2006		Ni.	NI 150	3.69	164	61 35 67:20	68:2:
	8	Baren kpore Dam-Dam	05.7	10.000 P	E o	1	100	0 10 0 10	0.17	# #	1111	1.0	0°32	45.0	51.8
	9	Buseerhat	0.01						6,10	1	0.11	1 17 (Futi	0.73	43713 E7081	52.50 56345
	Howrah	Howrah Monesteka	24-344 341-14				0.11	0 18 0 55		£	0:57 0:55	119 671	0/89 6/43	40°94 41°74	53:41 54:10
		(Ooloberiah.)					6.16		0.03	2	0 19	0.28	0:51	86'99	52.7
	Hooghly	Sermapore Heering	0.35		*		-0.0		2.0	1	n 1 v	0.08	0.76	42'37	60.24
		Jehanniad	•-	5.55	0.33	0.09	The same		1			1:13	0.2	37.73	23.80
	Burdwan	Cuina	0.05		*****		0.62	***	howe,	1 2	0.83	0.68	0.90	40°51 47°57	40.7
i		Cutwa Rancegunge				0.75	0.11	*****		1	0.11	0.10	0.74	56°43 47°19	49°13
		Moneur				0.70	0 ::7			2	0.97	0.97	1	44'50	,
ì	Bankoora	Bankoora Bishenporo	20000	*****	*****		0000	302		Nil Nil	Nil	Nil 6/85	. 0.92 0°65	45 37 57:37	85.7 52 0
1		Mahara					0.15			Nil	0.15 Vil	0°12 Nil	0.51	50°37 5 °12	50°3
1		Indias Kotalpore	*****		******	0.50			****	Nil	0%0 N4	C20 Nil	?	42'04	;
ĺ		Anda Gangojalghati					++:			Not Not	Nil Nil	uros , sil		39°49 50°49	·
1		Raspore	*****				0.75			Na 1	Nd 0.75	Nil 675	P	38'06	;
1		Bh. Soory			0.03		0.2	******	K 9	2	1.12	1:95	0.41	51.83	55'5
	Reerbhoom	Hetampore				*****			17.00	Nil Nil	Nii Nii	Nil Nil	0.18	61'87 45'40	56 6
2.		Rampore Hau' Botpore	*****							Nil	Nii	Nil	Y	42'45	
	Nuddes	Ranaghat				0.37	0.04		100.00	2	1.31	0.49 6.72	0°59 0°48	42°54 44°53	48'9 47'5
		Keemaghar Choondenga			10000	0°61 1°42	6'42	*****		2 2	1.84	1'84 278	0.73	45 28	88.3
		Meherpovo Kooshew	0,0			2°50 1°76	1'87	*****	F 44	3	2.78 3.73	3.73	0.71	81.72 48.73	86.7
			427							,	0.03	0.00	Det-	10:00	58 48
	Khoolna .	Satthua	0°04 0°24		2.00				10.4	1 2	0.25	6:89 3:21	0.74 0.95	4628 5191 43721	64'21
1		Khosina	200		2.02			*****	0.07	-	213			40.81	0 7 02
	Jessere	Anvail .			1:09	0.22	0.07	0.04		4	2°66 1°90	5.00	0°59 0°97	26.78	86'97
İ		diversity		0.45	1705	0°30 2°92		0.15	1000	1 1	2.92	3:01 2:76	1.19	43°11 47°03	0.44.5
		da.cocah Bongong	1.70	0.14	0.05	1.00	0.17			1	2°60) 0°17	0.82	0.71	58.85 58.85	# 55.94 95.94
ļ											0.52	0 25	0:33	, mean	575
	Moorshedabad	Kandi Berhampere		******	0.52	0.17	1901			2 2	1.12	1°20 0°35	0.22	48.07 57.94	52'4 40'5
		Ladbaga Azemganya	*****			0.06	6°23			2 2 2 2 2	0.58	0.38	0°39 0°41	70°29 80°78	51'7.
		dung pare Lulpola		2500		0.00	0.00	1000 1001		1	0.10	0.02	0.37	68'47 63'69	81.4
21 B	!	Akkriganj Pattabari			0.04	0.10	1536		*****	3 2	0.70	0.70	P	51.45	
AST RENGAL	Chittagong	Cox's Buzne		0.15	0.50					2 3	0.35	0.00	0.00	124'15	185 S
		Lattacong	*****		0.40	0.07	***	0.05		3	0.23	0.80	0.97	279.57	1
	Chittagong	Rangamati	0.37		0.28	0.05	0.08	0.02	0.20	6	1.78	2'47	1:85	68-01	88-8 88-8
	Hill Tructs.	Ruma					•		*****			1.0	1'81		
	Buckerguage	Patuskhally	6:21				0'41	174		2 8	1'85 1'86	1.86	078 800	2021	
	g i	Perozepore Burrisal	6.12	1.03	0.30	free-ro	0.28	0.10		. 1	0.08	* 131	1.68		
- e e	1 120 103	Bhotta		******	*****	0.80	Senter'	0.80	unot to	100	4.10	cho-leave to a	DATE NAME OF THE PARTY OF THE P	アの大人の東京を	DE LOS CALLES

Statement of Rainfall in Bengal for the week ending Friday (6 p.m.), the 16th of March 1888-contd.

14					-	AINPALL					TAL,				
feteorological Division.	District.	Station .	Saturday, 10tn March.	Sunday, 11th March.	Monday, 12th March.	Tuesday, 13th	Wednesday, 14th March,	Thursday, 15th March.	Friday, 16th March.	Number of rainy days.	Rainfall of week.	Total rain- fall since lst of month,	Average total rain- fall from lat of month,	Total rain- fall since 15th May 1887.	Average rainfall from 15t May to date.
AST BENGAL.		Gournaddi Bauphal	0:39			0.07	6.02	1.08		1	1:08	1'08	1	42:43	
	Noakholly	Nonkhally Penny Harishpore		0°92 1°85	0.00 0.11 0.40	0.75 1:35	0°50 0°15	0.58 0.12	0.00	5 6	2°54 4°21	2°56 4°46	1.67 1.82 ?	77:34 79:28	118-5 118-5
	Furreedpore	Rampanj Madaripore Furreedpore Goslundo	0.42	2.45	0.50	1.20 2.35 0.63	0°36 0°70 2°34	0.29	0°28	4 3 4	1.98 5.50 3.92	1.98 5.53 3.92	1745 1710 0781	38·19 45·14 41·24	59 : 59 : 7 59 : 1
	Dacca -	Munahigunge Dacca Naraingunge Maniekgunge Joydebpore		2:10 2:26 2:61 0:37 2:44	2.18	1°49 0°88 2°02 1°03 0°81	1.07 1.34 0.62 0.43			3 3 3 5 3 5 3	4.66 5.32 5.97 2.02 3.68	4:76 5:32 6:09 2:06 8:79	1.77 0.70 0.48 0.58	46:87 53:28 50:69 38:28 55:72	75° 61° 68° 68° 58°
	Hill Tipperah Tipperah	Agartola Comilla Chandpore Brahmunberia Ramuhandra-i		1.43 2.00 1.48	1°15 0°16 1°45	2:65 0:28 1:20 2:26 0:79	0.98 0.66 0.70 0.44 0.82	0.07 0.50	0.12	5 3	4:78 3:04 4:25 3:06	4.78 3.34 5.55 3.16	9°29 1°17 0°58 1°88 1	49:90 53:44 46:42 42:66	86 : 86 :
		pore. Nasirnagar Daudkandi Kasba Laksham .	 	1°12 0°25	3:50 0:80	0.88 0.20	0°57 0°40 0°82	0.00	0.01	4 3 5	2·29 2·23 3·10	2·29 2·23 3·19	?	34 50 39:70 35:40	1
	Mymensingh	Kishorsgunge Atia (Tangail) Mymensingh Jamslpore Netrokona Subornakhally Durgapore Dewanganj		1.02 1.27 0.37 1.70 1.36 0.54		0°32 0°55 0°64 0°09 1°56 0°70 1°00	0°26 0°76 0°17 0°8# 0°26 1°10 0°84		0.19	2 2 3 3 3 2 3 3	1 '60 1 '31 1 '98 0 '65 4 '06 0 96 3 '46 1 '90	1'79 1'31 1'90 0'65 4'09 0'96 3'46 1'90	1716 0 84 0 84 0 84 0 88 1 1 1	60:56 42:53 71:45 63:51 78:38 53:16 119:37 81:85	72° 68 : 70 07 : 73 :
NORTH BENGAL.	Pulma	Pubna Serajgunge	0.17			1°65 1°06	0.31			3 2	2:04 1:38	2·12 1·40	0.87 0.23	41°57 83°74	811 64
	Bogra	Sherpore Nowahille Bogra l'anchbibi	0.02	 	 	0.00 0.00 0.51	0.00			2 2 Nil 2	0°25 0 11 Nd 0°66	0°55 0°33 0°16 0 66	0°50 0°47 0°38 0°23	48'84 60'13 67'57 69'00	60° 66° 61° 55°
	Rajshahye .	Besulesh Nattore Naogaan Laipore Manda			0.05	0.88 1.25 0.37 0.11	0.05 0.47	0.01		4 1 Nii 2 1	0°89 1°25 Nil 0°64 0°11	0°00 1°40 Nil 0°64 0°23	0.38 0.32 1 1	50:39 62:82 87:32 62:05	91.
	Maldah	Maldah Chanchal Gajol Sibyanj	 		 	0°28 0°10 0°03	0.80 0.62 0.01			1 2 2 1	0°01 0°53 0°89 0°03	0°33 0°30 0°33	0°29 0°13 1 1	49183 44 16 51159 53108	59 6 587
	Dinagepere	Mohadebpore Churamon Rangunge Dinagepore Baloorghat	 	 		0°48 0°86 0°68				Nil 1 1 1	Nil 0:48 0:86 0:66 0:62	0°04 0°18 0°86 0°66 0°66	0.14 9.17 0.16 0.44 0.22	62:52 69:31 74:51 20:90 62:37	58°6 53°1 63°6 63°6
	Rungpore	bhawanigunge (Gyabanda). Rungpore Kurigram Bagdogra (Nilphamari).	0.03	0.70 2.48 2.22 1.56	0.05	0.87 0.58 0.05 0.83	 		0.05	2 1 3 2	1°57 8°09 2°30 2°39	1 67 8 68 2 39 9 39	0.52 0.45 0.21 0.25	69:28 83:69 77:05 108:83 64:26	75°2 75°0 84°1
	Julpigores Cooch Behar	Ulipare Julpigaree Alipare Doar Kallaca'ta Debiganj Dunatea Cooch Behar Mickigunge	1'94 1 26 6'91 0'65	279 095 096 046 055 095		0°92 1°16 0°82 1°36 0°96 0°75 1°12		0°15	0°10	2 2 2 4 2 4 2 4 3	2 77 8:35 1 77 3:94 2:22 2 36 2 00 0:02	2.77 3.85 1.77 3.94 2.22 2.36 2.09 1.10	0°51 P P 0°32 0°39 0°36	129:06 142:04 146:44 96:97 104:36 124:72 128:96	117-2 1 5 95-8 119 0
	Darjeeling Hill.	Buza Siliguri Darjeeling Kaimpong s	0.46 0.43 1.57 0.34 0.72	0°45 0°70 0°35	0.02 1.11 0.06 0.18 0.81	1°16 1°04 0.87 0°89 0°20	0.08	0°02 2°09 0°08	0.07	6 7 5 3	5178 5170 2193 6191 1182	5°70 2°93 0°91 1°82	2°26 0°92 0°28 0°68 0°27	119-87 176-46 110-97 116-65 88-59	117 t 194 1 10.*, 111 4 81 0
orte Hzhab	Purnesh	Kissengunge Arrareah Purneah Gondwara Balarumpore. Matiaria Kaliaganj Madaupore			1°50	0.65 0.45 0.45 0.85				1 1 1 Nil Nil Nil 1	0%5 1 50 0%5 6 12 Nil 1 75 Nil 1 2 4 0 83	0 65 1 50 0 65 6 42 N:1 1 75 Nil 1 24 6 83	0:27 0:30 0:16 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	85°20 68°38 67°47 F 66°20 83°08 79°29 55°38 55°24	70 2 64 2 61 1 7 7 7 7 7 7
	pore. Darbhangs	Protabgani Tajpore Duronunga Madhubani			0.83	0.63				1 1 1 1	0°10 1 05 0°63 0°90	0.83 0.10 0.83 0.83	0·16 0·16 0·29	67:3 64:80 53:92 56:23 53:19	431 461 451
	Monufferpore	Robers Sitamarhi Mosufferpore				0'90 0'40 0 23				Nil	0.40 0.40 0.23 0.03	Nil 0:40 0:23 0:03	0·48 0·24 0·15	60'74 44'18 37'84	42°
		Hajipore Paru Mahua dinhar				0,20				Nil Nil Nil 1	Nil Nil 0:50 0:20	0°03 Nil N:1 0°50 0°20	9	\$1.64	•2
	Champaron	Mosibari Botrak	## ## ## ##	10000 00000 00000 00000		0.30 0.30				Nil i l l	Nil 0.30 0.25 0.14	Nil 0:30 0:25 0:14	0.58 0.58 5	59:80 40:12 50:02 86:73	64:3 89:10 9:21

Statement of Rainfall in Bengal for the week ending Friday (6 p.m.), the 16th of March 1888.—concld.

			1			. R	AINPALI	•			Ton	AL.			•	
Meteorological Division.	District.	, Station.		Saturday, 10th March.	Sunday, 11th	Monday, 12th March.	Tuesday, 13th March.	Wednesday, 14th March.	Thursday, 15th	Priday, 16th March.	Number of rainy days.	Rainfall of week.	Total min- fall since lat of month.	Average total rain- fall from 1st of month.	Total rain- fall since 15th May 1887.	Average rainfal from 15: May to date
NORTH BERAR	Sarun	Gopalgunge					0.07				1	0.07	0.07	0.05	42.65	46
-concluded.	1	Chuorab					0.28				Nil	Nil 0'25	0.058	0.44	39.74 38.70	45
SOUTH BEHAR	Shahabad	Buxar						******			Nil	Nii	Nil	0.53	84.73	39
		Denree Bhuboosh		******					******	0.13	Nil ,	Nil	Nil Nil	7	89.76 41.88	41
		Kanyerain		******						0.08	1	0.08	0.08	6.17	36 52	41
9		Mohapia									Nil Nil	Nil Nil	Nil Nil	(r.21	41.34	40
1		монариа		******				mor		,	MIL	20,000	1 PERSON 1	10000000		
- 1	Gya	Aurungabad	١	*****						2000	Nil	Nil	Nil	6.24	20.86	43
1		Gya Nowadan								0.08	1	0.08	0.08	0.50	43 s7 36 61	49
9		Jehanahad									Nil	Nil	Nil	0.23	46'77	41
	9	Arwal Dandnagar									Nil Nil	Nil Nil	Nil Nil	9	88.01	
	1	Shorryhati		******							Nil	Nil	Nil	,	36.45	
	8	Rajauli		•••••	,,,						Nil	Nil	Nil	!	1,000,000	
		Pakri Haras	oan.					•••••			Nil	Nil	Nil	1	22.21	
	Patns	Patna	, 1	•••••							Nil	Nil	Nil	0.13	37:17	4
	provinces (ISA)	Dinapor-		****		most				×******	Nil Nil	Nil Nil	Nil Nil	0°12	38'44	4
	•	Behar		*****							Nil	Nil	Nil	0.23	36°08	1
		Bickram		******			******				Nil	Nil	Nil	?	40.02	
		Hilsa		200.00	1			•••••			Nil	Nil	Nil	P	34.84	
-	Monghyr	Begooserai									Nil	Nil	Nil	0.15	49.68	
į.	1 10 10	Monchyt	23	******		******		27777			Nil	Nil Nil	Nil	0.10	47.24	
	l l	Gogri		******					******		Nil Nil	Nil	Nil	0.25	40°02 42°63	•
		Sheikpura									Nil	Nil	Nil		28'58	
	South Bhagul-	Buskulpure	-	••••							Nil Nil	Nil Nil	Nil	0.18	41.53 39.86	
	pore	Kolgong			or recent			******		neme:	Nil	Nil	Nil	1	43.45	•
	C. that Box				i							Nil	37.1	Augn	2000	
	Southal Per-	(dodas		*** **							Nil Nil	Nil	Nil Nil	0.52	57.98 49.56	5:
9	, and and	Pakour		******	******		0.29		******		1	0.50	0.34	0.54	78'65	53
9		Nya Doomk				0.03	0.16	0.04		0.04	8	0.93	0.03	0.40	46'0-	5. 5
		Deognur Jamuare						0.13			1	0.10	0.19	0.65	40'24	
*1		Simra			1	0.03					2000	0.05	• 0.000	,		
200	220 000 22	Nunchat				0 02		1111.07	******	******	1	T states	. 0.03	,	34.81	
PUR.	Hazaribagh	Paonamba (Giridi)									Nil	Nil	Nil	0.28	62'00	. 4
		Hazariosch		•••••			0:00	0.02		0.01	2	0.00	0.02	0.25	47'58	41
		Semtaguran Manudi Hi					0.08				Nil	0'08 Nil	0.08 Nil	1·10 0·75	41.27	4
		Jhoomrah H									Nil	Nil	Nil	1.02	59:60	0
		Barhi								0.18	Nil	Nil 0'13	Nil	,	89.70	
		Karaydeha						******		0.10	Nil	Nil	0°13 Nil	,	50°10 72°46	
	i i	Kamphar									Nil	Nil	Nil	,	51.94	
	Lohardugga	Lonaraugga	. 1				0.13	0.52	100,000	summer.	2	0.38	0.43	. 1	87.58	0
	201111111111111111111111111111111111111	(anch)									Nil	Nil	Nil	0.88	98.38	6
		Painagow Sills		costs						******	Nil	Nil	Nil	0.42	50'71	4
		Balumat									Nil Nil	Nil Nil	Nil Nil		9	
	1	Нививинава	ł				******				Nil	Nil	0.69		80.30	() j
	J	Garwah,						******			Nil	Nil	Nii		84.85	8
	Singbhoom	Chyenassa		******							Nil	Nil	Nil	0.48	\$3.03	
		Chakradhai	• !							0.02	1	0.02	0.09	, ,	41.27	
		Ghateilla									Nil	Nil	Nil	,	55 79	
		Bunaragur	3								Nil	Nil	Nil	,	41.12	
	Manbhoom	Purulis						1			Nil	Nil	NII	0.42	48.53	
		Gobindpore						0.32		10.0	2	0.89	0.89	6.40	29.79	
	(Kaghunath.				*****					Nil	Nil	Nil	1	38'64	
		Barrabhoon	. 1						100000		Nil	Nil	Nil	,	43'81	1
	2.4	Jhalde									Nil	Nil	Nil	1	90 01	
		Chas						0.13			1	0.13	0.13		1	

Explanation.—Indicates that no rain has fallen. If the return for any day has not been received, the corresponding space is left blank. If any of the returns are wanting, the corresponding spaces in the total rainfall columns are left blank.

CALCUTTA, the 21st March 1888.

SUMMARY OF THE RAINFALL AND METEOROLOGICAL OBSERVATIONS TAKEN IN BENGAL FOR THE WEEK ENDING FRIDAY, THE 16TH · MARCH 1888.

THE weather conditions during the past week have been more or less unsettled. The barometer was low and below its normal height at the commencement, and was also irregular in its movements. There was also a tendency to a slight but distinctly marked depression in North and Central Bengal. The barometric changes of the 10th brought it into greater prominence on the 11th, and a strong inrush of southerly winds set in over South Bengal into the area of low pressure. Thunderstorms occurred on the 10th and 11th in North and East Bengal and the eastern districts of South-West Bengal, and some very heavy showers fell, more especially in the Dacca, Rungpore and Julpigoree districts. A very rapid rise of the barometer occurred on the 12th, but it fell again rapidly on the 13th. Strong southerly winds continued to blow on the 12th and 13th notwithstanding the rapid barometric changes, and a second series of thunderstorms occurred on the 13th and 14th which were more general, and gave even a larger amount of rain than the first series. They extended over East and North Bengal, and nearly the whole of South-West Bengal and North Behar. The rainfall during this series of storms was especially heavy in the Dacca, Furreedpore, Nuddea, Jessore, Mymensingh, Julpigoree and Cooch Behar districts. The barometer moved irregularly but slightly during the remainder of the week, but the southerly winds fell off in strength on the 15th and 16th, and the weather became somewhat less unsettled. Local thunder-showers occurred, chiefly in East Bengal and the northern districts of North Bengal, but the amounts registered were generally small.

Pressure.—The general character of the variations of pressure has been stated in the previous paragraph. The most remarkable feature of the week was the rapid rise of pressure which followed the first series of thunderstorms on the 11th and 12th. It varied from one to two-tenths of an inch. It was followed by nearly as rapid a fall of pressure on the 14th, which immediately preceded the more violent thunderstorms, and the heaviest rainfall of the second series. A reference to the general table will show that the mean pressure variations for the week differed considerably for different parts of the province. Pressure was on the whole slightly above the average in East and North Bengal, which received by far the largest amount of rain, and below it in South-West Bengal, Orissa, Behar (except Purneah), and Chota Nagpur. The deficiency of pressure was actually greatest at Calcutta and Burdwan, where it was very nearly '04".

Temperature.—The temperature variations of the week depended mainly upon the occurrence and amount of the rainfall. Thus in East and North Bengal the mean temperature of the week was considerably below the normal, the deficiency averaging 3° in North Bengal and 2½° in East Bengal. In the remainder of the province the temperature of the week was above the average, the excess being 3° in Chota Nagpur and 2° in South Behar and Orissa. Cuttack registered the highest day temperatures during the week, the

maximum being 101.9° on the 16th.

The following table gives a comparative statement of the temperature data of the week at nine typical stations :-

Table showing the excess or defect of the actual mean temperature from the normal for the week ending 16th March 1888.

5.	,		Normal mean maxi- mum tem- perature for the week ending 16th March.	Actual mean maxi- n.um tem- pereture for the week ending tidh March 1888.	Variation of actual mean from the nor- mat.	Normal mean mini- mum tem- peraturo for the week ending 16th March.	perature for the week	Variation of actual mean from the nor- mat.	Normal mean duily tempera- ture for the week ending 16th March.	ture for the week	Variation of actual mean from the nor- mal.
Outtack			96.3	98-0	+1.7	71'9	78-4	+1.2	84'1	85.7	+1.6
Calcutta	***	•••	90.9	88.8	-1.7	69.1	71.4	+ 2.3	79'8	80.1	+0.3
Dacca	***	•••	80.3	88.4	-4.8	68.5	66.1	-2.1	70.3	718	-4.4
Burdwan	***	***	95.8	94.1	+1.3	68.5	70.1	+1.9	80.2	85.1	+1'6
Patna	***	•••	80.8	88.9	-1.0	61.9	65.9	+ 4.0	70.4	77.4	+1.0
Gya .	***	***	92.6	92.8	+0.5	61.2	68.8	4.3.8	78'6	86.6	-0.2
Purneah	***	•••	89.7	84.8	-4.9	59.4	63.4	+4.0	74.6	74-1	+28
Hazaribagh	***	•••	87.1	90.1	+8.0	62.6	62.4	+28	74'9		-2.0
Darjeeling		***	26.4	52.8	-3.0	41.9	41.6	-0.3	4:12	47.2	-20

Rainfall .- An unusually large amount of rain has fallen during the week, chiefly in connection with two extensive series of thunderstorms and nor westers. The first series occurred on the 10th and 11th, and was almost entirely confined to East and North Bengal and the southern and eastern districts of South-West Bengal (including the 24-Pergunnahe and Jessore). Rainfalls exceeding two inches were received at a large number of stations in the Dacca and Furreedpore districts on the 11th. Some local showers felt on the 12th, but were generally of little importance. The second series of thunderstorms commenced on the 13th and lasted until the end of the week, but were most general on the 13th and 14th. They extended over the whole of North and East Bengal, and the greater part of South-West Bengal and North Behar, in which districts moderate to heavy rain was

generally received. A few light local showers were also received in other districts, more especially in the Sonthal Pergunnahs. The rainfall of the 13th was very heavy in the Dacca, Furreedpore and Nudden districts, where the majority of the stations received over two inches, and in the northern districts of North Bengal.

The following districts received an average rainfall for the week exceeding two inches:—Dacca 4.49 inches, Commillah 4.1 inches, Furreedpore 3.8 inches, Noakholly 8.38 inches, Darjeeling 2.77 inches, Rungpur 2.34 inches, Julpigoree 2.18 inches, and Nuddea.

2.05 inches.

The rainfall of the week was very considerably in excess in the whole of Bengal and North Behar, and was below the average in Orissa, South Behar and Chota Nagpur. The following table gives a comparative statement showing the character of the rainfall of the week in each of the seven meteorological divisions of the province:—

			Tame	BRATI	RB.					к	TINEY	Li.				
*	week.	week.	Avera	spes fo	r week.	above or		Of wee	β K .	Ri	Liny di	Lys.	Since	ini of		15th 1887.
METEOROLOGICAL DIVISIONS.	Highest observed during	Lowest observed during	Of highest of each day.	of lowest of each day.	Of mean for each day.	Trerage mean of week a	Average.	Normal average.	Variation.	Average number in	Normal average num-	Variation.	verige.	Normal average.	Average.	Normal average.
Orissa	101.0	68.3	80.7	73'9	82.8	+1.8	0.06	0.58	-0.12	0.5	0.6	0.4	0.10	0.96	46.21	55'67
South-West Bengal	100 8	62.0	91.9	70.0	81.3	+13	0.76	0.10	+0.60	1.4	0.0	+0.8	.0.06	0.67	19.88	53.62
Bast Bengal	89.8	59.5	83.0	60.0	74'5	-25	2.80	0.27	+2.23	3.3	0.6	+2.7	3.00	1.10	60.04	77.73
North Bengal	93 2	54'4	82.2	63.1	72.7	-3.0	1.52	0.11	+1'14	2.2	0.4	+1'8	1.35	0.36	75'57	71.11
North Beha	92.0	57:3	85:0	64.3	75'1	+07	0.20	0.02	+0.42	1.0	0.4	+0.6	0.40	0.55	53 07	49.18
outh Behar	96.1	63 8	50.1	68.6	78'5	419	0.02	0.03	- 0.05	0.2	0.4	+61	0.08	0.25	42.85	44.79
nutia Naspur	07 5*	65.6	80.0.	62.00	77'8*	+3:1*	0.05	0.83	-0.58	0.2	0.8	-0.3	0.03	0.71	46'58	50'85

[·] Chyebassa not included.

METEOROLOGICAL OFFICE, BENGAL;

T. ELIOT,

The 20th March 1888. for Offg. Meteorological Reporter to the Gort of Bandal.

Results of the Thermometrical Observations taken at the Meteorological Office, Chowringhee, from 11th to 17th March 1888.

					TEMPERA	TUIE.			HY	OROMETRI.		
Wor	NTE.	Dats.		viean.	Maximum.	Range,	Minimum.	Mean wet bulb.	Vapour tension.	Dew point.	Homidity.	Rain
1888	3.		1		٠	v	•	u	Inches.	:•:	1 %	Inches
March		11th		80.5	91.5	18.7	72.8	76.9	-878	75 8	85	1927/64
,,		12th		79.7	91 5	17.3	74.2	75.6	-832	73 7	82	-
	***	13th		79.9	88.5	14.5	740	76.5	*868	74 9	85	_
23	***	14th		81.0	92.4	19.8	72.6	76.7	-862	74 7	82	
,,		15th 16th	•••	81.2	93.6	23.5	70.1	74-1	749	70.6	71	0.52
"	***	17th		80.0	92·0 93·5	17·4 25·4	74·6 68·1	76 2 72·5	-828 -698	73·5 68 5	76 68	-
						1			<u> </u>		0	
					f the sev		7.	••	***		80.6	3
	The ex	trem	e var	iation of	tempera	ature	8.0	••	•••		25.5	- 1
				emperati				••			93.6	
			000000 D			***		•		•••	00,0	
	The m	ean 1	elati	ve humic	lity		,	••	•••	•••	78	Đ
	.		,, ,				55 0				Inches.	
	The to	otal t	all of	rain fro	m 11th	to 17th N	larch 189	38	2022		0 52	

The mean temperature and humidity are obtained by applying to the mean of the 10h, 16h, and minimum readings a correction dependent on the range, and derived from the hourly observations at the Surveyor-General's Office, Chowringhee, in past years.

METEOROLOGICAL OFFICE, INDIA;

JOHN ELIOT,

The 19th March 1888.

Off g. Meleorological Reporter to the Good of India.

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Results of the Meteorological Observations taken at the Alipore Observatory from 11th to 17th March 1888.

			50 50	тетег		Темре	RATURE			Hygron	ETRY.		WIND.			
Month.	Date.	Maximum in sum.	Number of bours bright sunshine.	Mean pressure barometer at 32° Fahr.	Mean,	Maximum.	Range.	Minimum	Mean wet bulb.	Vapour tension.	Due point,	Humidity.	Prevailing direction.	Miles recorded.	Rain.	WEATHER.
1888.		0		Inches	0	0	0	0	0	Inches	0	1%		i	Inches.	Ī ———
Mar.	11th	144-1	9.2	29.803	80.2	89-2	16 5	72.7	75.5	0.821	73.3	80	SSW and S	222	Nil	Partially cloudy, o.
11	12th	145-4	7:3	·845	81.1	89.5	15 0	71:5	76.0	·831	73 6	79	S and S W	192	,,	Chiefly cloudy
"	13th	146 6	2·1	949	80.7	87 0	12.8	74-2	75-6	*820	73 2	79	S and SSW	209	,,	Chiefly eloudy
"	14th	146 5	9:1	-902	79.1	90 0	172	72.8	74.3	786	72.0	80	SSW and variable	164	1.11	Chiefly cloudy
"	15th	144-9	10:1	-826	80-1	91.4	23:7	67 7	73 0	718	69 3	73	S by W and WNW	48	Nil	Clear, A.
19	16th	143.5	8:5	·815	81.0	89-2	14.6	74.6	74.8	-781	71 8	75	SSW and variable	77	"	Chiefly cloudy.
	17th	147.5	10.8	-860	79·S	91.1	22.8	68 3	72.1	·688	68.1	70	WSW and SSW	91	,,,	Chiefly clear,
"																
	The a	verag	e pre	er of ho	he set	corres f brig	pondi ht su	nshin	e		 I year	rs, S	S. G.'s Office			bes. 357 333 rs.
1	The a The t The r	otal n	e pre	ssure of or of ho ossible	the several the cours of number	corres f brig per of	pondi ht sui hour	nshin s of s	e		 I year		S. G.'s Office	•••	29.8 29.8 Hou 5	hes. 357 333
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The mean pressure, temperature, &c., are deduced from the traces of the Barograph and Thermograph.

The maximum and minimum temperatures are obtained from self-registering thermometers. All the thermometers are verified, and the readings have been corrected to a standard constructed and verified at the Kew Observatory. They are exposed under a thatched shed open at the sides, and are suspended four feet above the ground.

The barometer readings are corrected approximately to those of the standard Newman's No. 86, formerly at the Surveyor-General's Office.

The hygrometric elements are obtained from Tables III, IV, and V of the official tables computed in the Meteorological Office, and based on Regnault's modifications of August's formula.

The directions and the movement of the wind are taken from the trace of a Beckley's anemograph.

The mouth of the rain-gauge is one foot above the ground.

o overcast, g gloomy, p passing temporary showers, t thunder, & lightning, K thunderstorm, bail, & dew.

JOHN ELIOT,

Offg Meteorological Reporter to the Govt. of India.

METEOROLOGICAL OFFICE, GOVT. OF INDIA; Calcutta, the 19th March 1888.